

LIFE SCIENCE BRANDS









Bio-Techne® offers a broad range of high-quality products for studying all areas of neuroscience, from neural stem cells to neurodegenerative diseases. This product guide presents innovative research tools that can help propel your research to the next level.

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Introducing Bio-Techne

Bio-Techne is a new trade name that brings together our major brands. We offer the widest selection of high-quality reagents and instruments for the life science and diagnostic markets. Our new name was born by combining two Greek words: "bios," which means life, and "techne," which means applying knowledge to solve problems. This name represents our mission, which is to provide the life sciences community with innovative high-quality scientific tools to better understand biological processes and drive discovery.

Our Brands

The Bio-Techne brands and product lines are some of the most referenced in the life sciences industry and include R&D Systems, Novus Biologicals™, Tocris Bioscience, and ProteinSimple®. We have brought these brands together as Bio-Techne to be a stronger scientific partner to help you attain your research goals. Our vast product range includes bioactive proteins, application-qualified antibodies, Quantikine ELISAs®, Luminex Assays®, and small molecule activators and inhibitors.



Researchers trust R&D Systems as the most referenced supplier of bioactive proteins and immunoassays in the industry. R&D Systems manufactures over 13,000 primary antibodies and produces many other products relevant for neuroscience research including Luminex assays, and reagents for culturing and investigating neural stem cells.



With a growing portfolio of over 155,000 antibodies, Novus Biologicals supplies the neuroscience research community with high-quality products that are applicable to all research trends and needs. Through established relationships with prominent neuroscience researchers, Novus Biologicals also offers niche antibodies that represent the most recent and up-to-date products on the market.



Tocris is the leading global supplier of biologically active small molecules and peptides for neuroscience research. The Tocris range of innovative, exceptional quality reagents consists of over 3,500 neurotransmitter receptor agonists and antagonists, ion channel modulators, enzyme inhibitors, caged compounds, fluorescent probes, and screening libraries.



ProteinSimple develops and commercializes proprietary systems and consumables for protein analysis that ultimately help reveal new insights into the true nature of proteins. For neuroscientists who regularly conduct multiple Western blot experiments, ProteinSimple products make protein analysis simpler, more quantitative, and affordable.

PROTEINS

R&D Systems recombinant and natural proteins are the industry's premiere bioactive proteins. Extensive quality control testing throughout development and manufacturing processes ensures consistent performance that cannot be matched.

Recombinant and Natural Proteins

Guaranteed Performance, Saving You Time and Money

- · Every lot is tested before release and again after bottling to ensure high bioactivity and consistent performance.
- We back up our performance specifications with relevant bioassay data.

High Purity for Trusted Results

• Our proteins are highly pure and, at minimum, must meet the lowest endotoxin specification (<0.1 EU/µg) on the market.

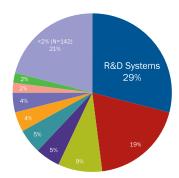
Largest Selection

• We offer over 4,800 recombinant and natural proteins from over 22 species.

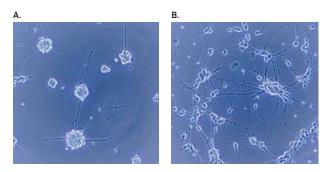
Manufactured by Scientists, for Scientists

- More than 95% of our proteins are manufactured in-house.
- N-terminal amino acid sequences are verified for guaranteed authenticity.

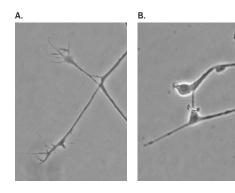
Most Referenced Protein Manufacturer



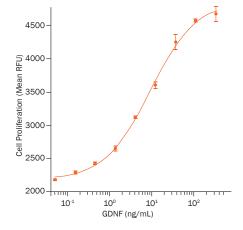
Protein Citations by Vendor. A literature survey of 1,125 manuscripts published in 2013, containing 15,180 product citations from 16 different journals related to cancer, immunology, neuroscience, and stem cells, was conducted to determine the number of citations referencing the use of R&D Systems proteins compared to the number referencing proteins manufactured by other companies. Of the 1,586 total protein citations identified in the survey, 29% cited the use of our proteins. The percentage of citations attributed to eight other major protein manufacturers is also shown (clockwise from R&D Systems, red-green sections). The final segment in the pie chart (21%, light purple section) includes 333 citations referencing products from 142 different companies. All companies listed under this category had less than 2% of the total number of citations.



Meteorin-like Stimulates Neurite Outgrowth. Embryonic rat cortical neurons (£18) were cultured for 3 days in the absence (A) or presence (B) of Recombinant Mouse Meteorin-like/METRNL (R&D Systems, Catalog # 6679-MN) immobilized on a nitrocellulose-coated microplate. The presence of the Meteorin-like protein significantly enhanced neurite outgrowth.



Semaphorin 3A-Induced Growth Cone Collapse. A fully extended chick dorsal root ganglion growth cone grown in the presence of Recombinant Human β-NGF (Catalog # 256-GF) was untreated (A) or treated (B) with Recombinant Human Semaphorin 3A (Catalog # 1250-S3). Treatment with Semaphorin 3A induced growth cone collapse. All cited reagents are from R&D Systems.



GDNF Induces Proliferation of Human Neuroblastoma Cells. The SH-SY5Y human neuroblastoma cell line was treated with increasing concentrations of Recombinant Human GDNF (Catalog # 212-GD). Cell proliferation was assessed using Resazurin (Catalog # AR002). All cited reagents are from R&D Systems.

Learn more | rndsystems.com/Proteins

We have further developed our high-quality proteins to support developing research and bioproduction demands.

GMP-Grade Proteins

- Proteins are produced in a certified ISO 9001 facility in compliance with relevant guidelines.*
- They exhibit the same consistent performance that is expected from R&D Systems recombinant proteins.
- We offer the largest selection of GMP-Grade proteins, including many that are available exclusively from R&D Systems.

Learn more | rndsystems.com/GMP

*Manufactured in compliance of the applicable sections of World Health Organization TRS, No 822, 1992 Annex 1, Good Manufacturing Practices for biological products; USP Chapter 1043, Ancillary Materials for Cell, Gene, and Tissue-Engineered Products, and USP Chapter 92, Cytokines used in Cell Therapy Manufacturing.

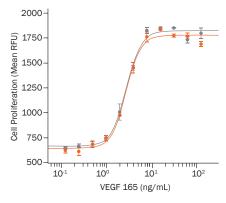
6000 - 5000 - 60

Bioactivity of GMP-Grade Recombinant Human PDGF-BB. GMP-Grade Recombinant Human PDGF-BB (Catalog # 220-GMP) enhances survival of rat embryonic (E16-E18) cortical neurons. Cell survival was assessed using Resazurin (Catalog # AR002). All cited reagents are from R&D Systems.

Animal-Free™ Recombinant Proteins

- Proteins are manufactured in a laboratory exclusively dedicated to the production and purification of recombinant proteins under animal-free conditions.
- Animal Component-Free Process (ACFP) recombinant proteins, which are expressed in an animal-free certified Sf 9 insect cell line using dedicated animal-free raw materials and labware, are also available.
- Animal-Free and ACFP recombinant proteins exhibit the same biological activities as our conventionally manufactured recombinant proteins.

Learn more | rndsystems.com/AnimalFree



ACFP and Conventionally Manufactured Human VEGF 165 Exhibit the Same Bioactivity. Both ACFP Recombinant Human VEGF 165 (Catalog # ACFP293; gray) and conventionally manufactured Recombinant Human VEGF 165 (Catalog # 293-VE; orange) stimulate the concentration-dependent proliferation of human umbilical vein endothelial cells as measured using Resazurin (Catalog # AR002). All cited reagents are from R&D Systems.

ProDots[™] **Proteins**

- Our industry-leading bioactive proteins are packaged into easy-to-use lyophilized balls that can be rolled directly into cell culture media.
- Save time and ensure maximum recovery of your purchased protein by simply dropping the protein ball directly into your cell culture medium.

Learn more | rndsystems.com/ProDots



Molecule	Species	Catalog #	Source
ACE	Human	929-ZN	NS0
ACE	Mouse	1513-ZN	NS0
ACE-2	Human	933-ZN	NS0
ACE-2	Mouse	3437-ZN	CHO
Acetylcholinesterase	Human	7574-CE	CHO
Acetylcholinesterase	Mouse	5518-CE	NS0
Activin A	Human, Mouse, Rat	338-AC	CHO
ADAM8	Human	1031-AD	NS0
ADAM9	Human	939-AD	NS0
ADAM9	Mouse	949-AD	Sf 21
ADAM10	Human	936-AD	Sf 21
ADAM10	Mouse	946-AD	Sf 21
ADAM12	Human	4416-AD	СНО
ADAMTS1	Human	2197-AD	NS0
ADAMTS1	Mouse	5867-AD	СНО
Agrin	Rat	550-AG	Sf 21
Agrin	Human	6624-AG	СНО
AMIGO	Human	2565-AM	NS0
AMIGO2	Human	2080-AM	СНО
Apolipoprotein E Receptor 2	Human	3520-AR	СНО
Apolipoprotein E3	Human	4144-AE	E. coli
APP/Protease Nexin II	Human	3466-PI	NS0
Artemin	Human	2589-AR	E. coli
Artemin	Mouse	1085-AR	E. coli
BACE-1	Human	931-AS	NS0
BACE-1	Mouse	2976-AS	NS0
BACE-2	Human	4097-AS	NS0
BDNF	Human, Mouse, Rat	248-BD	Sf 21
BMP-1/PCP	Human	1927-ZN	NS0
BMP-2	Human	355-BM	CHO
BMP-2	Human	355-BEC	E. coli
BMP-2, GMP	Human	355-GMP	CHO
BMP-2/BMP-6 Heterodimer	Human	7145-BP	E. coli
BMP-2/BMP-7 Heterodimer	Human	3229-BM	E. coli
BMP-3	Human	113-BP	E. coli
BMP-3b/GDF-10	Human	1543-BP	E. coli
BMP-4	Mouse	5020-BP	CHO
BMP-4	Human	314-BP	NS0
BMP-4/BMP-7 Heterodimer	Human	3727-BP	E. coli
BMP-5	Human	615-BMC	CHO
BMP-5	Mouse	6176-BM	СНО
BMP-6	Mouse	6325-BM	CHO
BMP-6	Human	507-BP	NS0
BMP-7	Human	354-BP	CHO
BMP-7	Mouse	5666-BP	CHO
BMP-8a	Human	1073-BPC	CHO

Molecule	Species	Catalog #	Source
BMP-8a	Mouse	7540-BP	CHO
BMP-8a	Human	1073-BP	E. coli
BMP-9	Human	3209-BP	CHO
BMP-9	Mouse	5566-BP	СНО
BMP-10	Mouse	6038-BP	СНО
BMP-10	Human	2926-BP	СНО
BMP-10 Propeptide	Human	3956-BP	NS0
BMP-15	Human	5096-BM	СНО
Calsyntenin-2	Human	5480-CL	NS0
Caspase-3	Human	707-C3	E. coli
Caspase-7	Human	823-C7	E. coli
Caspase-8	Human	705-C8	E. coli
Cathepsin D	Human	1014-AS	NS0
Cathepsin D	Mouse	1029-AS	NS0
Cerebellin-1	Human	6934-CB	СНО
Cerebellin-2	Human	7044-CB	СНО
CNTF	Human	257-NT	E. coli
CNTF	Rat	557-NT	E. coli
CNTF Rα	Human	303-CR	Sf 21
CNTF R α	Rat	558-CR	Sf 21
Contactin-1	Human	904-CN	Sf 21
Contactin-2	Human	1714-CN	NS0
Contactin-2	Mouse	4439-CN	NS0
Contactin-3	Human	5539-CN	NS0
Contactin-4	Human	2205-CN	NS0
Contactin-6	Mouse	5890-CN	СНО
Desert Hedgehog (C23II) N-Terminus	Human	4777-DH	E. coli
Desert Hedgehog (C23II) N-Terminus	Mouse	733-DH	E. coli
Draxin	Mouse	6149-DR	NS0
DSCAM	Human	3666-DS	NS0
ECE-1	Human	1784-ZN	NS0
ECE-1	Mouse	5796-ZN	СНО
ECE-2	Human	1645-ZN	NS0
EGF	Human	236-EG	E. coli
EGF	Mouse	2028-EG	E. coli
EGF, Animal-Free	Human	AFL236	E. coli
EGF, GMP	Human	236-GMP	E. coli
EGF R/ErbB1	Human	1095-ER	NS0
EGF R/ErbB1	Human	344-ER	NS0
EGF R/ErbB1	Mouse	1280-ER	NS0
EphA1	Human	7146-A1	HEK293
EphA1	Human	638-A1	HEK293
EphA1	Mouse	3034-A1	NS0
EphA2	Mouse	639-A2	NS0
EphA2	Human	3035-A2	NS0
EphA3	Human	6444-A3	NS0
EphA3	Mouse	640-A3	NS0

Molecule	Species	Catalog #	Source
EphA4	Human	6827-A4	NS0
EphA4	Mouse	641-A4	NS0
EphA5	Human	3036-A5	NS0
EphA5	Mouse	3037-A5	NS0
EphA6	Human	5606-A6	СНО
EphA6	Mouse	607-A6	NS0
EphA7	Human	6756-A7	NS0
EphA7	Mouse	608-A7	NS0
EphA8	Human	6828-A8	NS0
EphA8	Mouse	454-A8	NS0
EphA10	Human	5188-EA	NS0
EphB2	Human	5189-B2	NS0
EphB2	Mouse	467-B2	NS0
EphB3	Human	5667-B3	NS0
EphB3	Mouse	432-B3	NS0
EphB4	Mouse	446-B4	NS0
EphB4	Human	3038-B4	NS0
EphB6	Human	3384-B6	NS0
Ephrin-A1	Human	6417-A1	NS0
Ephrin-A1	Mouse	602-A1	NS0
Ephrin-A2	Human	7856-A2	NS0
Ephrin-A2	Mouse	603-A2	NS0
Ephrin-A3	Human	359-EA	NS0
Ephrin-A3	Mouse	7395-EA	NS0
Ephrin-A4	Human	369-EA	NS0
Ephrin-A4	Mouse	569-A4	NS0
Ephrin-A5	Human	374-EA	NS0
Ephrin-A5	Mouse	7396-EA	NS0
Ephrin-B1	Human	7654-EB	NS0
Ephrin-B1	Mouse	473-EB	NS0
Ephrin-B2	Human	7397-EB	NS0
Ephrin-B2	Mouse	496-EB	NS0
Ephrin-B3	Human	7924-EB	NS0
Ephrin-B3	Mouse	7655-EB	NS0
Ephrin-B3	Human	395-EB	NS0
Epimorphin/Syntaxin 2	Human	2936-EP	E. coli
Epimorphin/Syntaxin 2	Mouse	2568-EP	E. coli
ErbB2/Her2	Human	1129-ER	NS0
ErbB3/Her3	Human	348-RB	NS0
ErbB3/Her3	Mouse	4518-RB	NS0
ErbB4/Her4	Human	1131-ER	NS0
ErbB4/Her4	Mouse	4387-ER	NS0
FGF acidic	Bovine	132-FA	Bovine Brain
FGF acidic (aa 16-155)	Human	232-FA	E. coli
FGF acidic (aa 2-155)	Human	231-BC	E. coli
FGF basic	Bovine	133-FB	Bovine Brain
FGF basic	Rat	3339-FB	E. coli

Molecule	Species	Catalog #	Source
FGF basic	Bovine	2099-FB	E. coli
FGF basic	Mouse	3139-FB	E. coli
FGF basic, Animal-Free	Bovine	AFL2099	E. coli
FGF basic (145 aa)	Human	3718-FB	E. coli
FGF basic (146 aa)	Human	233-FB	E. coli
FGF basic (146 aa) Animal-Free	Human	AFL233	E. coli
FGF basic, 145 aa (TC Grade)	Human	4114-TC	E. coli
FGF basic (146 aa), GMP	Human	233-GMP	E. coli
FGF basic (157 aa)	Human	234-FSE	E. coli
FGF R1 α (IIIb)	Human	655-FR	NS0
FGF R1 α (IIIc)	Human	658-FR	NS0
FGF R1β (IIIb)	Human	765-FR	NS0
FGF R1β (IIIc)	Human	661-FR	NS0
FGF R2α (IIIb)	Mouse	5496-MF	NS0
FGF R2 $lpha$ (IIIb)	Human	663-FR	Sf 21
FGF R2α (IIIc)	Human	712-FR	NS0
FGF R2β (IIIb)	Human	665-FR	Sf 21
FGF R2β (IIIb)	Mouse	708-MF	Sf 21
FGF R2β (IIIc)	Human	684-FR	NS0
FGF R2β (IIIc)	Mouse	716-MF	NS0
FGF R3 (IIIb)	Human	1264-FR	NS0
FGF R3 (IIIc)	Human	766-FR	NS0
FGF R3 (IIIc)	Mouse	710-MF	NS0
FGF R4	Human	685-FR	NS0
FGF R4	Mouse	2265-FR	NS0
FGF R5	Mouse	1899-FR	NS0
FGF-3	Human	1206-F3	E. coli
FGF-4	Human	235-F4	E. coli
FGF-4	Mouse	5846-F4	E. coli
FGF-4 (aa 67-202)	Mouse	7486-F4	E. coli
FGF-4 (aa 71-206)	Human	7460-F4	E. coli
FGF-5	Human	237-F5	E. coli
FGF-6	Mouse	5750-F6	E. coli
FGF-6	Human	238-F6	E. coli
FGF-8a	Human	4745-F8	E. coli
FGF-8c	Mouse	424-FC	E. coli
FGF-8f	Human	5027-FF	E. coli
FGF-9	Mouse	7399-F9	E. coli
FGF-9	Human	273-F9	Sf 21
FGF-10	Human	345-FG	E. coli
FGF-10	Mouse	6224-FG	E. coli
FGF-12	Human	2246-FG	E. coli
FGF-16	Human	1212-FG	E. coli
FGF-17	Human	319-FG	E. coli
FGF-17	Mouse	7400-FG	E. coli
FGF-19	Human	969-FG	E. coli
FGF-20	Human	2547-FG	E. coli

Molecule Species Catalog # Source FGF-21 Human 2539-FG E. coli FGF-22 Human 2604-FG NSO FGF-23 Human 2604-FG NSO FGF-BP Human 1593-FB NSO FGL2 Mouse 5257-FL CHO Fibronectin Bovine 1030-FN Bovine Fibronectin Human 4305-FN NSO Fibronectin, ACFP Human ACFP4305 Sf 9 Fibronectin Fragment 3 Human 3938-FN NSO Fibronectin Fragment 4 Human 3624-FN NSO Fibronectin Fragment 4 Human 3624-FN NSO Fibronectin Fragment 4 Human 3938-FN NSO Fibronectin Fragment 4 Human 3924-FN NSO Fibronectin Fragment 4 Human 3624-FN NSO Fibronectin Fragment 4 Human 3624-FN NSO Fizzled-1 Mouse 1120-FZ NSO </th <th>Molecule</th> <th>Species -</th> <th>Catalage</th> <th>Course</th>	Molecule	Species -	Catalage	Course
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Fibronectin Fragment 3 Human 3938-FN NSO Fibronectin Fragment 4 Human 3624-FN NSO Frizzled-1 Human 5988-FZ NSO Frizzled-1 Mouse 1120-FZ NSO Frizzled-2 Mouse 1307-FZ NSO Frizzled-4 Mouse 194-FZ NSO Frizzled-4 Human 5847-FZ NSO Frizzled-5 Human 1617-FZC CHO Frizzled-5 Human 1617-FZ NSO Frizzled-7 Human 6178-FZ CHO Frizzled-7 Mouse 198-FZ NSO Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-9 Mouse 2440-FZ CHO Frizzled-9 Mouse 2440-FZ CHO Frizzled-9 Mouse 2440-FZ NSO Frizzled-9	Fibronectin, ACFP	Human	ACFP4305	Sf 9
Fibronectin Fragment 4 Human 3624-FN NSO Frizzled-1 Human 5988-FZ NSO Frizzled-1 Mouse 1120-FZ NSO Frizzled-2 Mouse 1307-FZ NSO Frizzled-4 Mouse 194-FZ NSO Frizzled-4 Human 5847-FZ NSO Frizzled-5 Human 1617-FZC CHO Frizzled-5 Human 6178-FZ CHO Frizzled-7 Human 6178-FZ CHO Frizzled-7 Mouse 198-FZ NSO Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3135-SP NSO Frizzled-9 Mouse 2440-FZ NSO Frizzled-9 Mouse 195-S-P NSO Frizzled-8 Mouse	Fibronectin	Human	8258-FN	E. coli
Frizzled-1 Human 5988-FZ NSO Frizzled-1 Mouse 1120-FZ NSO Frizzled-2 Mouse 1307-FZ NSO Frizzled-4 Mouse 194-FZ NSO Frizzled-4 Human 5847-FZ NSO Frizzled-5 Human 1617-FZ NSO Frizzled-7 Human 6178-FZ CHO Frizzled-7 Mouse 198-FZ NSO Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-9 Mouse 2440-FZ CHO Frizzled-9 Mouse 2440-FZ NSO Frizzled-10 Human 3135-SP NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-9 Mouse 124-FZ NSO Frizzled-10 Human 3135-SP NSO Frizzled-8 Mouse 1	Fibronectin Fragment 3	Human	3938-FN	NS0
Frizzled-1 Mouse 1120-FZ NSO Frizzled-2 Mouse 1307-FZ NSO Frizzled-4 Mouse 194-FZ NSO Frizzled-4 Human 5847-FZ NSO Frizzled-5 Human 1617-FZC CHO Frizzled-5 Human 6178-FZ CHO Frizzled-7 Human 6178-FZ CHO Frizzled-7 Mouse 198-FZ NSO Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 853-G5 E. coli GDF-5 Mouse 855-G6 E. coli GDF-7 Mouse 79-G7	Fibronectin Fragment 4	Human	3624-FN	NS0
Frizzled-2 Mouse 1307-FZ NSO Frizzled-4 Mouse 194-FZ NSO Frizzled-4 Human 5847-FZ NSO Frizzled-5 Human 1617-FZC CHO Frizzled-5 Human 1617-FZ NSO Frizzled-7 Human 6178-FZ CHO Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO F-Spondin/SPON1 Mouse 7950-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-7 Mouse 855-G6 E. coli GDF-8 Propeptide Mouse <td< td=""><td>Frizzled-1</td><td>Human</td><td>5988-FZ</td><td>NS0</td></td<>	Frizzled-1	Human	5988-FZ	NS0
Frizzled-4 Mouse 194-FZ NSO Frizzled-4 Human 5847-FZ NSO Frizzled-5 Human 1617-FZC CHO Frizzled-5 Human 1617-FZC NSO Frizzled-7 Human 6178-FZ CHO Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO F-Spondin/SPON1 Mouse 7950-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 853-G5 E. coli GDF-5 Mouse 855-G6 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse <td>Frizzled-1</td> <td>Mouse</td> <td>1120-FZ</td> <td>NS0</td>	Frizzled-1	Mouse	1120-FZ	NS0
Frizzled-4 Human 5847-FZ NSO Frizzled-5 Human 1617-FZC CHO Frizzled-5 Human 1617-FZ NSO Frizzled-7 Human 6178-FZ CHO Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO F-Spondin/SPON1 Mouse 7950-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-9 Mouse	Frizzled-2	Mouse	1307-FZ	NS0
Frizzled-5 Human 1617-FZC CHO Frizzled-5 Human 1617-FZ NSO Frizzled-7 Human 6178-FZ CHO Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO F-Spondin/SPON1 Mouse 7950-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-9 Mouse 1539-PG NSO GDF-9 Mouse	Frizzled-4	Mouse	194-FZ	NS0
Frizzled-5 Human 1617-FZ NSO Frizzled-7 Human 6178-FZ CHO Frizzled-7 Mouse 198-FZ NSO Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO F-Spondin/SPON1 Human 3135-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-3 Mouse 853-G5 E. coli GDF-5 Mouse 855-G6 E. coli GDF-7 Mouse 855-G6 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-9 Mouse 1	Frizzled-4	Human	5847-FZ	NS0
Frizzled-7 Human 6178-FZ CHO Frizzled-7 Mouse 198-FZ NSO Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO F-Spondin/SPON1 Mouse 7950-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-3 Mouse 853-G5 E. coli GDF-5 Mouse 855-G6 E. coli GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-9 Mouse 1539-PG NSO GDF-9 Mouse 1958-G	Frizzled-5	Human	1617-FZC	CHO
Frizzled-7 Mouse 198-FZ NSO Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO F-Spondin/SPON1 Mouse 7950-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 859-G9 NSO GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-9 Mouse 1539-PG NSO GDF-9 Mouse 739-G9 CHO GDF-15 Human 957-GD </td <td>Frizzled-5</td> <td>Human</td> <td>1617-FZ</td> <td>NS0</td>	Frizzled-5	Human	1617-FZ	NS0
Frizzled-8 Human 6129-FZ CHO Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO F-Spondin/SPON1 Mouse 7950-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 1539-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-9 Mouse 739-G9 CHO GDF-9 Mouse 739-G9 CHO GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD </td <td>Frizzled-7</td> <td>Human</td> <td>6178-FZ</td> <td>СНО</td>	Frizzled-7	Human	6178-FZ	СНО
Frizzled-8 Mouse 112-FZ NSO Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO F-Spondin/SPON1 Mouse 7950-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 6986-PG NSO GDF-8 Propeptide Mouse 6986-PG NSO GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Hum	Frizzled-7	Mouse	198-FZ	NS0
Frizzled-9 Mouse 2440-FZ CHO Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO F-Spondin/SPON1 Mouse 7950-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-9 Mouse 739-G9 CHO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human	Frizzled-8	Human	6129-FZ	СНО
Frizzled-10 Human 3459-FZ NSO F-Spondin/SPON1 Human 3135-SP NSO F-Spondin/SPON1 Mouse 7950-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 914-GR NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-3 Human	Frizzled-8	Mouse	112-FZ	NS0
F-Spondin/SPON1 Human 3135-SP NS0 F-Spondin/SPON1 Mouse 7950-SP NS0 GDF-1 Human 6937-GD CH0 GDF-3 Human 5754-G3 CH0 GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 6986-PG NS0 GDF-8 Propeptide Mouse 1539-PG NS0 GDF-8/Myostatin Human, Mouse, Rat 788-G8 NS0 GDF-9 Mouse 739-G9 CH0 GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CH0 GDF-15 Human 957-GD CH0 GDF-15 Human 212-GD NS0 GFRα-1 Human 714-GR NS0 GFRα-2 Human 613-FR NS0 GFRα-2 Mouse 429-FR NS0 GFRα-3 Human 7269-FR CH0 GFRα-3 Human 7269-FR CH0 GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	Frizzled-9	Mouse	2440-FZ	CHO
F-Spondin/SPON1 Mouse 7950-SP NSO GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-3 Human	Frizzled-10	Human	3459-FZ	NS0
GDF-1 Human 6937-GD CHO GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Mouse 429-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human	F-Spondin/SPON1	Human	3135-SP	NS0
GDF-3 Human 5754-G3 CHO GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse <t< td=""><td>F-Spondin/SPON1</td><td>Mouse</td><td>7950-SP</td><td>NS0</td></t<>	F-Spondin/SPON1	Mouse	7950-SP	NS0
GDF-3 Mouse 958-G3 E. coli GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-2 Mouse 429-FR NSO GFRα-3 Human 670-FR Sf 21 GFRα-3 Human 670-FR Sf 21	GDF-1	Human	6937-GD	CHO
GDF-5 Mouse 853-G5 E. coli GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDF-3	Human	5754-G3	CHO
GDF-6/BMP-13 Mouse 855-G6 E. coli GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDF-3	Mouse	958-G3	E. coli
GDF-7 Mouse 779-G7 E. coli GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-2 Mouse 429-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDF-5	Mouse	853-G5	E. coli
GDF-8 Propeptide Mouse 6986-PG NSO GDF-8 Propeptide Mouse 1539-PG NSO GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-2 Mouse 429-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDF-6/BMP-13	Mouse	855-G6	E. coli
GDF-8 Propeptide Mouse 1539-PG NSO GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-2 Mouse 429-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDF-7	Mouse	779-G7	E. coli
GDF-8/Myostatin Human, Mouse, Rat 788-G8 NSO GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-2 Mouse 429-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDF-8 Propeptide	Mouse	6986-PG	NS0
GDF-9 Mouse 739-G9 CHO GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-2 Mouse 429-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDF-8 Propeptide	Mouse	1539-PG	NS0
GDF-11/BMP-11 Human, Mouse, Rat 1958-GD E. coli GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-2 Mouse 429-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDF-8/Myostatin	Human, Mouse, Rat	788-G8	NS0
GDF-15 Human 957-GD CHO GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-2 Mouse 429-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDF-9	Mouse	739-G9	СНО
GDF-15 Human 8146-GD HEK293 GDNF Human 212-GD NS0 GFR α -1 Human 714-GR NS0 GFR α -2 Human 613-FR NS0 GFR α -2 Mouse 429-FR NS0 GFR α -3 Human 7269-FR CH0 GFR α -3 Human 670-FR Sf 21 GFR α -3 Mouse 2645-FR Sf 21	GDF-11/BMP-11	Human, Mouse, Rat	1958-GD	E. coli
GDNF Human 212-GD NSO GFRα-1 Human 714-GR NSO GFRα-2 Human 613-FR NSO GFRα-2 Mouse 429-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDF-15	Human	957-GD	СНО
GFRα-1 Human 714-GR NS0 GFRα-2 Human 613-FR NS0 GFRα-2 Mouse 429-FR NS0 GFRα-3 Human 7269-FR CH0 GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDF-15	Human	8146-GD	HEK293
GFRα-2 Human 613-FR NS0 GFRα-2 Mouse 429-FR NS0 GFRα-3 Human 7269-FR CH0 GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GDNF	Human	212-GD	NS0
GFRα-2 Mouse 429-FR NSO GFRα-3 Human 7269-FR CHO GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GFRα-1	Human	714-GR	NS0
GFRα-3 Human 7269-FR CH0 GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GFRα-2	Human	613-FR	NS0
GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GFRα-2	Mouse	429-FR	NS0
GFRα-3 Human 670-FR Sf 21 GFRα-3 Mouse 2645-FR Sf 21	GFRα-3	Human	7269-FR	СНО
GFRα-3 Mouse 2645-FR Sf 21		Human		
		Mouse		

Molecule	Species	Catalog #	Source
Glypican 1	Mouse	4520-GP	NS0
Glypican 2	Human	2304-GP	NS0
Glypican 2	Mouse	2355-GP	NS0
Glypican 3	Human	2119-GP	NS0
Glypican 3	Mouse	6938-GP	NS0
Glypican 5	Human	2607-G5	NS0
Glypican 5	Mouse	2689-G5	NS0
Glypican 6	Human	2845-GP	NS0
gp130	Human	671-GP	NS0
gp130	Mouse	468-MG	NS0
gp130	Rat	5029-RG	NS0
IFN-β	Mouse	8234-MB	HEK293
IFN-γ	Mouse	485-MI	E. coli
IGSF4A/SynCAM1	Human	3519-S4	NS0
IGSF4A/SynCAM1	Mouse	1459-S4	NS0
IGSF4B/SynCAM3	Human	3678-S4	NS0
IGSF4C/SynCAM4	Human	4164-S4	NS0
IGSF4D/SynCAM2	Human	4290-S4	NS0
IL-1α	Human	200-LA	E. coli
IL-1α	Mouse	400-ML	E. coli
IL-1β	Human	201-LB	E. coli
IL-1β	Mouse	401-ML	E. coli
IL-1β, GMP	Human	201-GMP	E. coli
IL-1 RAcP/IL-1 R3	Human	676-CP	Sf 21
IL-1 RAPL2/IL-1 R9	Human	1007-MR	NS0
IL-1 RI	Mouse	771-MR	NS0
IL-1 RI	Human	269-1R	NS0
IL-1 RII	Human	663-2R	СНО
IL-1 RII	Mouse	563-MR	Sf 21
IL-1 RII	Human	263-2R	Sf 21
IL-1 Rrp2/IL-1 R6	Mouse	2354-RP	NS0
IL-1 Rrp2/IL-1 R6	Human	872-RP	Sf 21
IL-2	Mouse	402-ML	E. coli
IL-2, Animal-Free	Human	AFL202	E. coli
IL-4	Human	204-IL	E. coli
IL-4	Mouse	404-ML	E. coli
IL-4	Rat	504-RL	E. coli
IL-4, Animal-Free	Human	AFL204	E. coli
IL-6	Human	206-IL	E. coli
IL-6	Mouse	406-ML	E. coli
IL-6	Human	7270-IL	HEK293
IL-6 Rα	Human	227-SR	Sf 21
IL-6 Rα (aa 20-357)	Mouse	1830-SR	NS0
IL-6, Animal-Free	Human	AFL206	E. coli
IL-6, GMP	Human	206-GMP	E. coli
IL-10	Mouse	417-ML	E. coli
IL-10	Rat	522-RL	E. coli
IL-10	Human	217-IL	Sf 21
IL-10 (aa 19-178)	Human	1064-IL	E. coli

Malagula	Cuasias	Cotology	Course	Malagula	Cuaries	Cotology	Course
Molecule	Species	Catalog #	Source	Molecule	Species	Catalog #	Source
IL-10 Rα	Mouse	474-MR	Sf 21	IL-23	Human	1290-IL	Sf 21
IL-10 Rα	Mouse	7704-MR	Sf 21	IL-23	Rat	3136-RL	Sf 21
IL-10 Rα	Human	274-R1B	Sf 21	IL-23	Mouse	1887-ML	Sf 21
IL-10 Rα	Human	274-R1	Sf 21	IL-27	Human	2526-IL	NS0
IL-10 Rβ	Human	874-RB	NS0	IL-27	Mouse	2799-ML	NS0
IL-10 Rβ	Mouse	5368-RB	NS0	IL-27 p28/IL-30	Mouse	7430-ML	NS0
IL-12	Human	219-IL	Sf 21	IL-33	Human	3625-IL	E. coli
IL-12	Mouse	419-ML	Sf 21	IL-33	Mouse	3626-ML	E. coli
IL-12	Rat	1760-RL	Sf 21	Insulysin	Human	2496-ZN	Sf 21
IL-12, GMP	Human	219-GMP	Sf 21	Insulysin	Rat	6958-ZN	Sf 21
IL-17A	Mouse	7956-ML	CHO	Meteorin	Mouse	3475-MN	NS0
IL-17A	Mouse	421-ML	E. coli	Meteorin-like	Mouse	6679-MN	СНО
IL-17A	Human	317-IL	E. coli	MMP-2	Human	902-MP	CHO
IL-17A	Human	7955-IL	HEK293	MMP-9	Human	911-MP	CHO
IL-17A/F Heterodimer	Human	5837-IL	CHO	MMP-9	Mouse	909-MM	NS0
IL-17A/F Heterodimer	Human	5194-IL	E. coli	MMP-9	Rat	5427-MM	NS0
IL-17A/F Heterodimer	Mouse	5390-IL	E. coli	N-Cadherin	Human	1388-NC	NS0
IL-17B	Human	8129-IL	CHO	N-Cadherin	Mouse	6626-NC	NS0
IL-17B	Human	1248-IB	E. coli	NCAM-1/CD56	Human	2408-NC	NS0
IL-17B	Mouse	1709-ML	E. coli	NCAM-1/CD56	Mouse	6070-NC	NS0
IL-17C	Human	1234-IL	E. coli	Nectin-1	Human	2880-N1	NS0
IL-17C	Mouse	2306-ML	E. coli	Nectin-2/CD112	Human	2229-N2	NS0
IL-17D	Mouse	2274-ML	E. coli	Nectin-2/CD112	Mouse	3869-N2	NS0
IL-17D	Human	1504-IL	E. coli	Nectin-3	Human	3064-N3	NS0
IL-17E	Human	1258-IL	E. coli	Nectin-4	Human	2659-N4	NS0
IL-17E	Mouse	1399-IL	E. coli	Nectin-4	Mouse	3116-N4	NS0
IL-17E	Human	8134-IL	HEK293	Neprilysin	Human	1182-ZNC	CHO
IL-17E	Mouse	7909-IL	NS0	Neprilysin	Mouse	1126-ZNC	CHO
IL-17F	Human	1335-IL	E. coli	Netrin-1	Human	6419-N1	NS0
IL-17F	Mouse	2057-IL	E. coli	Netrin-1	Mouse	1109-N1	NS0
IL-17F	Human	1335-INS	NS0	Netrin-4	Human	1254-N4	NS0
IL-17 RA/IL-17 R	Human	177-IR	NS0	Netrin-4	Mouse	1132-N4	NS0
IL-17 RA/IL-17 R	Mouse	4481-MR	NS0	Netrin-G1a	Mouse	1166-NG	Sf 21
IL-17 RB	Human	1207-BR	NS0	Netrin-G2a	Mouse	2744-NG	NS0
IL-17 RB	Mouse	1040-BR	NS0	Neurexin 1β	Human	5268-NX	NS0
IL-17 RC	Human	2269-IL	NS0	Neurexin 3β	Human	5269-NX	NS0
IL-17 RC	Mouse	2270-ML	NS0	Neurexophilin-1	Human	4957-NX	NS0
IL-17 RD/SEF	Human	2275-IL	NS0	Neurocan	Human	6508-NC	CHO
IL-17 RE	Mouse	7997-MR	NS0	Neurocan	Mouse	5800-NC	СНО
IL-18/IL-1F4	Rat	521-RL	E. coli	Neurofascin	Rat	3235-NF	NS0
IL-20	Human	1102-IL	E. coli	Neuroglycan C	Human	5685-NG	CHO
IL-20	Mouse	1204-ML	E. coli	Neuroglycan C	Mouse	5665-NG	СНО
IL-20 Rα	Human	1176-IR	NS0	Neuroligin 1 Variant 2	Human	7066-NL	NS0
IL-20 Rβ	Human	1788-IR	NS0	Neuroligin 1 Variant 2	Human	6446-NL	NS0
IL-20 Rβ	Mouse	4388-MR	NS0	(-ssB)			
IL-21	Mouse	594-ML	E. coli	Neuroligin 2	Human	5645-NL	NS0
IL-22	Human	782-IL	E. coli	Neuroligin 4	Human	5158-NL	NS0
IL-22	Mouse	582-ML	E. coli	Neuronal Pentraxin 1	Human	7707-NP	NS0
IL-22	Rat	1316-RL	E. coli	Neuronal Pentraxin 2	Human	7816-NP	NS0
Source Key: CHO (Chinese hamster overy cell line) HEK203 (Human embryonic kidney cell line) NSO (Mouse myeloma cell line) Sf (Spedentera fruginarda)							

Molecule	Species	Catalog #	Source
Neuronal Pentraxin R	Human	4414-NP	NS0
Neuropilin-1	Rat	566-NNS	NS0
Neuropilin-1	Human	3870-N1	NS0
Neuropilin-1	Mouse	5994-N1	NS0
Neuropilin-1	Rat	566-N1	Sf 21
Neuropilin-2	Human	2215-N2	NS0
Neuropilin-2	Mouse	7988-N2	NS0
Neuropilin-2	Rat	567-N2	NS0
Neuroplastin 65	Human	5360-NP	NS0
Neuropoietin	Mouse	2709-NP	E. coli
Neurturin	Human	1297-NE	E. coli
Neurturin	Mouse	477-MN	E. coli
Neurturin (Histidine-tagged)	Human	387-NE	E. coli
β-NGF	Human	256-GF	NS0
β-NGF	Mouse	1156-NG	NS0
β-NGF	Rat	556-NG	Sf 21
β-NGF	Rat	7815-NG	CHO
NGF R/TNFRSF16	Mouse	1157-NR	NS0
NGF R/TNFRSF16	Human	367-NR	Sf 21
Nogo Receptor	Human	1208-NG	NS0
Nogo-A	Rat	2445-NG	NS0
Nogo-A (aa 1-172)	Rat	3098-NG	NS0
Nogo-A (aa 566-748)	Human	3515-NG	CHO
Nogo-A (aa 1026-1090)	Rat	3728-NG	Sf 21
NrCAM	Human	2034-NR	NS0
NRG1 (Isoform SMDF)	Human	378-SM	Sf 21
NRG1/HRG1	Human	5898-NR	NS0
NRG1- α /HRG1- α (EGF Domain)	Human	296-HR	E. coli
NRG1- β 1/HRG1- β 1 (ECD)	Human	377-HB	E. coli
NRG1- β 1/HRG1- β 1 (EGF Domain)	Human	396-HB	E. coli
NRG1- β 1/HRG1- β 1 EGF Domain, GMP	Human	396-GMP	E. coli
NT-3	Human	267-N3	Sf 21
NT-4	Mouse	3236-N4	NS0
NT-4	Human	268-N4	Sf 21
PDGF $R\alpha$	Human	6765-PR	NS0
PDGF Rα	Mouse	1062-PR	NS0
PDGF $R\alpha$	Human	322-PR	NS0
PDGF Rβ	Human	385-PR	NS0
PDGF Rβ	Mouse	1042-PR	NS0
PDGF-AA	Human	221-AA	E. coli
PDGF-AB	Human	222-AB	E. coli
PDGF-BB	Human	220-BB	E. coli
PDGF-BB, GMP	Human	220-GMP	E. coli
PDGF-CC	Mouse	1447-PC	E. coli
PDGF-CC	Human	1687-CC	E. coli

Molecule	Species	Catalog #	Source
PDGF-DD	Human	1159-SB	NS0
Pentraxin 2	Human	1948-SA	NS0
Pentraxin 2	Mouse	2558-SA	NS0
Pentraxin 3	Human	1826-TS	NS0
Pentraxin 3	Mouse	2166-TS	NS0
Persephin	Mouse	2479-PS	E. coli
Persephin	Human	2388-PS	E. coli
Plexin A1	Mouse	4309-PA	NS0
Plexin A4	Human	5856-PA	CHO
Plexin B2	Human	5329-PB	CHO
Plexin B2	Mouse	6836-PB	CHO
Plexin D1	Human	4160-PD	NS0
Reelin	Mouse	3820-MR	NS0
Reg2	Mouse	2098-RG	СНО
Reg3A	Mouse	7539-RG	СНО
Reg3A	Human	5940-RG	E. coli
Reg3A	Mouse	3907-RG	E. coli
Reg3B	Mouse	5110-RG	E. coli
Reg3G	Mouse	8189-RG	E. coli
Reg4	Human	1379-RG	E. coli
Reg4	Mouse	4780-RG	E. coli
RGM-A	Human	2459-RM	NS0
RGM-A	Mouse	2458-RG	NS0
RGM-B	Human	3630-RG	NS0
RGM-B	Mouse	3597-RG	NS0
RGM-C	Human	3720-RG	NS0
RGM-C	Mouse	3634-RG	NS0
ROB01	Rat	1749-RB	NS0
ROBO2	Human	3147-RB	NS0
ROBO3	Human	3076-RB	NS0
ROBO3	Mouse	3155-RB	NS0
ROBO4	Human	2366-RB	NS0
R-Spondin 1	Human	4645-RS	CHO
R-Spondin 1	Mouse	7150-RS	СНО
R-Spondin 1	Mouse	3474-RS	E. coli
R-Spondin 2	Mouse	6946-RS	СНО
R-Spondin 2	Human	3266-RS	NS0
R-Spondin 3	Human	3500-RS	СНО
R-Spondin 3	Mouse	4120-RS	СНО
R-Spondin 4	Human	4575-RS	СНО
R-Spondin 4	Mouse	4106-RS	СНО
SCF	Human	255-SC	E. coli
SCF	Mouse	455-MC	E. coli
SCF	Human	7466-SC	HEK293
SCF, Animal-Free	Human	AFL255	E. coli
Semaphorin 3A	Mouse	5926-S3	СНО
Semaphorin 3A	Human	1250-S3	NS0
Semaphorin 3B	Mouse	5440-S3	NS0

Molecule	Species	Catalog #	Source
Semaphorin 3C	Human	5570-S3	NS0
Semaphorin 3C (Truncated)	Mouse	1728-S3	Sf 21
Semaphorin 3E	Human	3239-S3	NS0
Semaphorin 3E	Mouse	3238-S3	Sf 21
Semaphorin 3F (Truncated)	Mouse	3237-S3	NS0
Semaphorin 4A	Human	4694-S4	NS0
Semaphorin 4D	Human	7470-S4	CHO
Semaphorin 4D	Mouse	5235-S4	NS0
Semaphorin 4F	Mouse	7200-S4	NS0
Semaphorin 4G	Human	5840-S4	NS0
Semaphorin 5A	Mouse	6584-S5	CHO
Semaphorin 5A	Human	5896-S5	NS0
Semaphorin 5B	Mouse	6766-S5	CHO
Semaphorin 6A	Human	1146-S6	NS0
Semaphorin 6B	Human	2094-S6	NS0
Semaphorin 6C	Human	2219-S6	NS0
Semaphorin 6C	Mouse	2108-S6	NS0
Semaphorin 6D	Human	2095-S6	NS0
Semaphorin 6D	Mouse	7067-S6	NS0
Semaphorin 7A	Human	2068-S7	NS0
Semaphorin 7A	Mouse	1835-S3	NS0
Slit1	Human	6514-SL	CHO
Slit1	Mouse	5199-SL	CHO
Slit2	Mouse	5444-SL	CHO
Slit3	Mouse	3629-SL	NS0
SLITRK1	Human	3009-SK	NS0
Soggy-1/DkkL1	Human	1549-S1	NS0
Sonic Hedgehog (C24II) N-Terminus	Human	1845-SH	E. coli
Sonic Hedgehog (C25II) N-Terminus	Mouse	464-SH	E. coli
Sonic Hedgehog N-Terminus	Human	1314-SH	E. coli
Sonic Hedgehog N-Terminus	Mouse	461-SH	E. coli
Sonic Hedgehog N-Terminus, GMP	Human	1314-GMP	E. coli
Sortilin	Human	3154-ST	NS0
Sortilin	Mouse	2934-ST	NS0
SOST/Sclerostin	Mouse	1589-ST	NS0
SOST/Sclerostin	Human	1406-ST	NS0
Syndecan-1	Human	2780-SD	NS0
Syndecan-1	Mouse	3190-SD	NS0
Syndecan-2	Human	2965-SD	NS0
Syndecan-2	Mouse	6585-SD	NS0
Syndecan-3	Human	3539-SD	NS0
Syndecan-3	Mouse	2734-SD	NS0
Syndecan-4	Human	2918-SD	NS0
Syndecan-4	Mouse	6267-SD	NS0

Molecule	Species	Catalog #	Source
Syntaxin 4	Human	7894-ST	E. coli
TGF-α	Human	239-A	E. coli
TGF-β1	Mouse	7666-MB	СНО
TGF-β1	Human	240-B	СНО
TGF-β1	Human	7754-BH	HEK293
TGF-β1, ACFP	Human	ACFP240	Sf 9
TGF-β1, GMP	Human	240-GMP	СНО
TGF-β1.2	Human	304-B3	Sf 21
TGF-β2	Mouse	7346-B2	СНО
TGF-β2	Human	302-B2	NS0
TGF-β3	Human	243-B3	Sf 21
TGF-β RI/ALK-5	Human	3025-BR	NS0
TGF-β RI/ALK-5	Mouse	587-RI	Sf 21
TGF-β RII	Human	341-BR	NS0
TGF-β RII	Human	241-R2	NS0
TGF-β RII	Mouse	532-R2	NS0
TGF-β RII	Mouse	1600-R2	NS0
TGF-β RII Isoform 2	Human	1003-RT	NS0
TGF-β RIII	Human	242-R3	NS0
TGF-β RIII	Mouse	5034-R3	NS0
TNF-α	Human	210-TA	E. coli
TNF-α	Rat	510-RT	E. coli
TNF-α (aa 80-235)	Mouse	410-MT	E. coli
TNF-α (aa 84-235)	Mouse	410-TRNC	E. coli
TNF-α, Animal-Free	Human	AFL210	E. coli
TNF-α, GMP	Human	210-GMP	E. coli
TNF-β	Human	211-TB	E. coli
TrkA	Human	175-TK	NS0
TrkB	Mouse	1494-TB	NS0
TrkB	Human	688-TK	NS0
TrkC	Mouse	1404-TC	NS0
TrkC	Human	373-TC	NS0
Wnt-3a	Human	5036-WN	СНО
Wnt-3a	Mouse	1324-WN	СНО
Wnt-3a (High Purity)	Mouse	1324-WNP	СНО
Wnt-3a (High Purity)	Human	5036-WNP	СНО
Wnt-3a, GMP	Human	5036-GMP	CHO
Wnt-4	Human	6076-WN	CHO
Wnt-4	Mouse	475-WN	CHO
Wnt-5b	Human	7347-WN	CHO
Wnt-5b	Mouse	3006-WN	CHO
Wnt-7a	Human	3008-WN	CHO
Wnt-9a	Mouse	8148-WN	CHO
Wnt-9b	Mouse	3669-WN	CHO
Wnt-10b	Human	7196-WN	CHO
Wnt-10b	Mouse	2110-WN	CHO
Wnt-11	Human	6179-WN	CHO
Wnt-16b	Human	7790-WN	СНО

ANTIBODIES

Defining Features of Bio-Techne Neuroscience Antibodies

Diverse and Extensive Analyte Selection

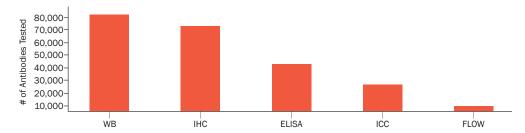
- Bio-Techne now offers over 168,000 antibodies between Novus Biologicals and R&D Systems portfolios (with 3,700 molecules available for conjugation). These antibodies cover key research areas in Neuroscience including:
 - Neurodegeneration
- Developmental Biology
- Neural Stem Cells

- Neuroendocrinology
- Sensory Systems
- Cognition and Behavior

- Synaptic Transmission
- Signal Transduction
- Neurotrophic Receptors

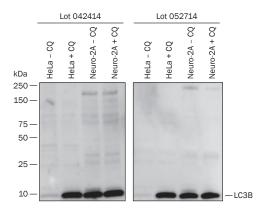
Tested in Multiple Applications

• Our antibodies are validated for multiple applications including: Western blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Flow Cytometry (FLOW), Enzyme-Linked Immunosorbent Assay (ELISA), Immunoprecipitation (IP), Chromatin Immunoprecipitation (ChIP), and Blocking/Neutralization (B/N).

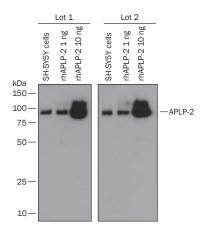


Thorough Manufacturing and Validation Processes

• Our rigorous purification and quality control processes ensure lot-to-lot specificity.



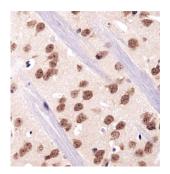
Lot-to-Lot Consistency of LC3B Detection by Western Blot. Specific detection of Human LC3B in lysates from the HeLa human cervical epithelial carcinoma and Neuro-2A mouse neuroblastoma cell lines that were either untreated (-CQ) for treated (+CQ) with Chloroquine was confirmed using two separate lots of a Rabbit-Anti Human/Mouse/Rat LC3B Polyclonal Antibody (Novus Biologicals, Catalog # NB600-1384).



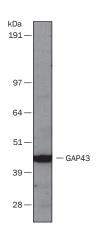
Lot-to-Lot Consistency of APLP-2 Detection by Western Blot. Specific detection of Human APLP-2 in lysates from the SH-SY5Y human neuroblastoma cell line was confirmed with increasing concentrations of recombinant human APLP-2 using two separate lots of a Mouse-Anti Human APLP-2 Monoclonal Antibody (R&D Systems, Catalog # MAB49451).

Application Data in a Wide Variety of Neuronal Substrates

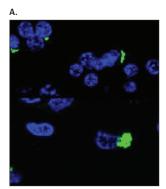
NeuN in Mouse Brain. NeuN was detected in immersion-fixed paraffin-embedded sections of mouse brain (cerebellum) using a Rabbit Anti-Human/Mouse/Rat RBFOX3/NeuN Antigen Affinity-Purified Polyclonal Antibody (Novus Biologicals, Catalog # NBP1-77686). The cerebellar tissue was stained using HRP and DAB (brown), and counterstained with hematoxylin (blue).

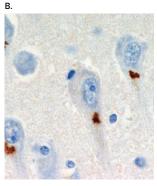


Detection of Human GAP43 by Western Blot. Western blot shows lysates of normal Human Brain Whole Tissue Lysate (Catalog # NB820-59177). The nitrocellulose membrane was probed with a Sheep Anti-Human/Mouse/Rat/Canine/Feline/Hamster/Primate GAP43 Polyclonal Antibody (Catalog # NBP1-41123) followed by a HRP-Conjugated Donkey Anti-Sheep IgG Seconday Antibody (Catalog # NB740-H). A specific band was detected for GAP43 at approximately 45 kDa (as indicated). All cited reagents are from Novus Biologicals.



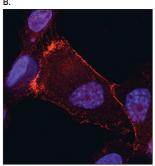
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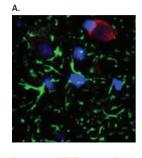
C9RANT in Human Cerebellum and Hippocampus. C9RANT, a newly identified protein that abnormally accumulates in brains of subjects afflicted with c9FTD/ALS, was detected in immersion-fixed paraffin-embedded sections of human hippocampus (A) and cerebellum (B) from individuals with c9FTD/ALS using a Rabbit Anti-C9RANT Polyclonal Antibody (Novus Biologicals, Catalog # NBP2-25018). The hippocampal tissue (A) was stained using a fluorescently-labeled secondary antibody (green) and then counterstained with DAPI (blue). The cerebellar tissue (B) was stained using HRP and DAB (brown), and counterstained with hematoxylin (blue). Images courtesy of Dr. Tania Gendron and Kevin Bieniek, Mayo Graduate School.

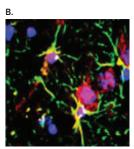
A. B.



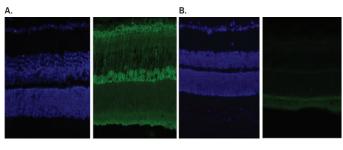
NF2/Merlin in Human Cerebellum. Neurofibromin 2 (NF2)/Merlin was detected in immersion-fixed paraffin-embedded sections of human cerebellum (A) and in immersion-fixed SK-HEP-1 human liver endothelial cell line (B) using a Goat Anti-Human NF2/Merlin Antigen Affinity-Purified Polyclonal Antibody (Catalog # AF5616). Prior to incubation with the primary antibody, the cerebellar tissue (A) was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). The tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (Catalog # CTS008; brown) and counterstained with hematoxylin (blue). The SK-HEP-1 cells (B) were stained with NorthernLights" (NL) 557-Conjugated Donkey Anti-Goat IgG Secondary Antibody (Catalog # NL001; red) and counterstained with DAPI (blue). All cited reagents are from R&D Systems.

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Detection of TNF- α in the Dentate Gyrus of LPS-Injected Rats. TNF- α was detected in the brain (dentate gyrus) of rats that received an intraperitoneal injection of either saline (A) or lipopolysaccharide (B) using a Goat Anti-Rat TNF- α Affinity-Purified Polyclonal Antibody (R&D Systems, Catalog # AF-510-NA). The tissue was stained using an Alexa Fluor® 594-conjugated donkey anti-goat IgG secondary antibody (red) and counterstained with Hoechst 33342 (blue). The tissue was also co-stained for GFAP expression (green). Images from Fu, H.Q. et al. (2014) PLoS One 9:e106331.



mGluR6 is Down-Regulated in SIRT6-KO Retina. mGluR6 was detected in whole retina from wild-type (A) and SIRT6 knock-out (B) mice using a Rabbit Anti-Rat/Mouse Metabotropic Glutamate Receptor 6 (mGluR6) Antigen Affinity-Purified Polyclonal Antibody (Novus Biologicals, Catalog # NB300-189). The tissue was stained using an Alexa Fluor 488-conjugated rabbit anti-goat IgG secondary antibody (green) and counterstained with DAPI (blue). Images from Dafne et al. (2014) PLoS One 9: e98831.

Molecule	Catalog #	Brand	Species	Clonality	Applications	Conjugates
1433γ	NB100-406	Novus Biologicals	Human	Mono	WB, ICC	No
5HT1A Receptor	NB100-92418	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	No
5HT1D Receptor	NB100-56349	Novus Biologicals	Human, Mouse, Rat	Poly	WB	No
5HT1E Receptor	NBP1-90320	Novus Biologicals	Human	Poly	WB, IHC	No
5HT1F Receptor	NBP1-46541	Novus Biologicals	Human, Mouse, Rat	Poly	WB, IHC	No
5HT4 Receptor	NBP1-78403	Novus Biologicals	Human	Poly	ICC	Yes
5HT7 Receptor	NB100-56352	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC	No
ABCA1	NB400-105	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC, FC, ELISA	Yes
ABCG1	NB400-132	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IHC, In Vitro	Yes
ABCG2/CD338	NB100-2177	Novus Biologicals	Human	Mono	WB, ICC, IHC	No
Aβ (Total)	NBP2-13075	Novus Biologicals	Human, Mouse, Rat	Mono	WB, ICC, IHC, ELISA, IP	Yes
Αβ40	NB300-225	Novus Biologicals	Human, Mouse	Poly	WB, ICC, IP	No
Αβ42	NB300-226	Novus Biologicals	Human, Mouse	Poly	WB, IP	No
Agrin	AF550	R&D Systems	Rat	Poly	WB, IHC, ELISA, B/N	Yes
AIF-1/Iba1	MAB7308	R&D Systems	Mouse	Mono	IHC	No
α-Internexin	NB300-216	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, IHC	No
AMIGO2	AF2374	R&D Systems	Mouse	Poly	WB	Yes
Ankyrin 1	NBP2-33806	Novus Biologicals	Human, Mouse	Poly	WB, IHC	No
ApoE	NB110-60531	Novus Biologicals	Human, Mouse, Rat (Negative)	Mono	WB, IHC, FC, ELISA, IP	Yes
ApoE (E4 isoform)	NBP1-49529	Novus Biologicals	Human	Mono	WB, ELISA, IP	Yes
ApoE Receptor 2	NB100-2216	Novus Biologicals	Human, Mouse +	Poly	WB, ICC	Yes
APP	AF1168	R&D Systems	Mouse	Poly	WB, IHC	No
Aromatase	NB100-1596	Novus Biologicals	Human +	Poly	WB, ICC	Yes
Artemin	MAB10851	R&D Systems	Mouse	Mono	WB	No
Attractin	AF7238	R&D Systems	Mouse	Poly	WB, ICC	No
Axin-1	AF3287	R&D Systems	Human, Mouse, Rat	Poly	WB	Yes
Axin-2	MAB6078	R&D Systems	Mouse	Mono	ICC	No
AxI	AF854	R&D Systems	Mouse	Poly	WB	Yes
BACE-1 (Ectodomain)	MAB9311	R&D Systems	Human, Mouse	Mono	IP, B/N	No
BACE-2	MAB4097	R&D Systems	Human	Mono	IHC	Yes
BAI1	NB110-81586	Novus Biologicals	Human, Mouse	Poly	WB, ICC, IHC	Yes
BDNF	NB100-98682	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	No
BDNF (Pro region)	MAB3175	R&D Systems	Mouse	Mono	IHC	No
Bestrophin 1	NB300-164	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC, IP	No
BMAL1	NB100-2288	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC, ChIP	Yes
BrdU	NB500-169	Novus Biologicals	Non-Species Specific	Mono	ICC, IHC, FC	Yes
C9RANT	NBP2-25018	Novus Biologicals	All Species	Poly	WB, ICC, IHC, ELISA	No
Calcium Sensing Receptor	NB100-1830	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC, FC, ELISA, IP, RI	Yes
Calreticulin	NB600-101	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC, IP, B/N, DB	No
Calsyntenin-2	AF5480	R&D Systems	Mouse	Poly	IHC	No
Cannabinoid Receptor 1	NB120-23703	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	No
Cannabinoid Receptor 2	NBP2-15689		Human	Poly	WB, ICC, IHC	No
		Novus Biologicals		•	WB, IHC, IP	
CASK	NBP1-47648	Novus Biologicals	Human, Mouse, Rat +	Mono		No
Caspase-3 (Cloaved)	NB500-210	Novus Biologicals	Human, Mouse, Rat	Mono	WB, IHC EC IB	No
Caspase-3 (Cleaved)	NB100-56113	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IHC, FC, IP	No
β-Catenin	NBP1-54467	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC, IP	No

Molecule	Catalog #	Brand	Species	Clonality	Applications	Conjugates
Cav 1.2	NBP1-42820	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IP, B/N	Yes
CD3ε	MAB484	R&D Systems	Mouse	Mono	FC, IP, TCS, CD	Yes
CD4	MAB6439	R&D Systems	Rat	Mono	WB	Yes
CD8 α	MAB116	R&D Systems	Mouse	Mono	ICC, FC, IP, CD, TSI	Yes
CD11b	MAB1124	R&D Systems	Mouse	Mono	ICC, IHC, FC, IP	Yes
CD11b	NB110-89474	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC, FC	Yes
CD11b/c	NB110-40766	Novus Biologicals	Human, Mouse	Poly	WB, ICC, IHC, FC	Yes
CD14	AF982	R&D Systems	Mouse	Poly	WB	Yes
CD25/IL-2 Receptor α	AF2438	R&D Systems	Mouse	Poly	WB, IHC, ELISA, B/N	Yes
CD31	NB600-562	Novus Biologicals	Human +	Mono	WB, IHC, ELISA	No
CD34	NB600-1071	Novus Biologicals	Mouse	Mono	WB, ICC, IHC, FC, ELISA, IP	Yes
CD45	AF114	R&D Systems	Mouse	Poly	WB, ICC, FC	Yes
CD68/SR-D1	MAB20401	R&D Systems	Mouse	Mono	ICC, FC	Yes
c-Fos	AF7254	R&D Systems	Mouse	Poly	WB	No
CLOCK	NB100-126	Novus Biologicals	Human, Mouse	Poly	WB, ChIP	No
с-Мус	NB600-302	Novus Biologicals	Human, Mouse +	Mono	WB, ICC, IHC, FC, ELISA, ChIP, IP	Yes
Complexin-1/2	AF7787	R&D Systems	Human, Mouse, Rat	Poly	WB, ICC	No
Contactin-1	AF7549	R&D Systems	Human, Mouse, Rat	Poly	WB	No
Contactin-2	AF4439	R&D Systems	Mouse, Rat	Poly	WB, IHC	No
Contactin-3	AF5539	R&D Systems	Human, Mouse, Rat	Poly	WB, ICC	No
Crystallin AB	NB100-2519	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC	Yes
DAT1	NBP2-22164	Novus Biologicals	Mouse, Rat, (Human Negative)	Mono	WB, ICC, IHC, ELISA, IP	Yes
DISC1	NB110-40775	Novus Biologicals	Mouse, Rat	Poly	IHC	Yes
DOPA Decarboxylase	NB300-174	Novus Biologicals	Rat +	Poly	WB, IHC	No
Dopamine Receptor D1	NB110-60017	Novus Biologicals	Mouse, Rat	Mono	WB, ICC, IHC	Yes
Dopamine Receptor D2	NLS1405	Novus Biologicals	Human +	Poly	IHC	No
Dopamine Receptor D3	NBP1-02398	Novus Biologicals	Human	Poly	IHC	No
Dopamine Receptor D4	NBP1-00779	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	No
Dopamine Receptor D5	NB110-60019	Novus Biologicals	Mouse, Rat, Human (Negative)	Mono	WB, ICC, IHC	Yes
Doublecortin	NBP1-92684	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC	Yes
DRP1	NB110-55288	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC, IP	Yes
EGF Receptor/ErbB1	AF231	R&D Systems	Mouse	Poly	WB, FC, ELISA, IP	Yes
Enolase 2/Neuron- Specific Enolase	MAB5169	R&D Systems	Mouse	Mono	WB, IHC, IP	No
eNos	NB300-500	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IHC	No
EphB2	AF467	R&D Systems	Human, Mouse	Poly	WB, ICC, IHC, FC	Yes
FABP7	NBP2-27073	Novus Biologicals	Human, Mouse +	Poly	WB, IHC	No
FUS	NBP1-50623	Novus Biologicals	Human, Mouse	Poly	WB, ICC, IHC	Yes
GABA A Receptor α1	NB300-191	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IP, DB	No
GABA A Receptor α2	NB300-192	Novus Biologicals	Human, Mouse, Rat +	Poly	WB	No
GABA A Receptor α3	NBP1-87499	Novus Biologicals	Human, Mouse, Rat	Poly	WB, IHC	No
GABA A Receptor α4	NB300-194	Novus Biologicals	Mouse, Rat	Poly	WB, IHC	No
GABA A Receptor α5	NB300-195	Novus Biologicals	Human, Mouse, Rat +	Poly	WB	No
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Molecule	Catalog #	Brand	Species	Clonality	Applications	Conjugates
GABA A Receptor Associated Protein	NB300-158	Novus Biologicals	Human, Rat	Poly	WB	No
GABA A Receptor β3	AF5590	R&D Systems	Mouse	Poly	WB, IHC	No
GABA A Receptor γ1	NBP1-91003	Novus Biologicals	Human	Poly	IHC	No
GABA A Receptor γ2	NB300-190	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IHC	No
GABA B Receptor 1	NB300-160	Novus Biologicals	Human	Poly	WB	No
GABA B Receptor 1	MAB7000	R&D Systems	Rat	Mono	IHC	No
GABA B Receptor 2	NB300-159	Novus Biologicals	Human	Poly	WB	No
GABA B Receptor 2	AF1188	R&D Systems	Rat	Poly	WB, IHC	No
GABA Receptor γ3	NB100-56662	Novus Biologicals	Human, Mouse, Rat	Poly	WB	No
GAD1/GAD67	AF2086	R&D Systems	Mouse	Poly	WB, IHC	Yes
GAD2/GAD65	AF2247	R&D Systems	Mouse	Poly	WB, IHC	Yes
GAP43	NB300-143	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	Yes
GAPDH	NB300-221	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC	No
Gephyrin/GPHN	MAB7519	R&D Systems	Human, Mouse	Mono	WB	No
GFAP	NB300-141	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	No
GFP	AF4240	R&D Systems	All Species	Poly	WB, ICC, FC, IP	Yes
GFRα-1	AF560	R&D Systems	Rat	Poly	WB, IHC, B/N	Yes
GFRα-2	AF429	R&D Systems	Human, Mouse	Poly	WB, IHC, B/N	Yes
GFRα-4	AF1677	R&D Systems	Mouse	Poly	WB, IHC	Yes
Glutamate Dehydrogenase 2/GLUD2	MAB8027	R&D Systems	Human, Mouse, Rat	Mono	WB	No
Glutamine Synthetase	NB110-41404	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IHC	No
GPR120	NBP1-00858	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC	No
HIP1	NB300-203	Novus Biologicals	Human, Mouse	Mono	WB, ICC, IHC, ChIP	No
HOMER	NBP1-44999	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC	No
iNos	NB300-605	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	No
Ki67	NB500-170	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	Yes
Kif 2α	NB500-180	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IP, DB	No
Kv1	NBP1-42788	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IP	Yes
Kv1.2	NBP1-42802	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IP	Yes
Kv1.2	NBP1-42818	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IP, B/N	No
Kv3.1	NBP1-42819	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IP, B/N	Yes
Laminin	NB300-144	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	Yes
Lin28	NBP1-49537	Novus Biologicals	Human, Mouse	Poly	WB, ICC, IHC	No
LINGO-1	MAB30861	R&D Systems	Mouse	Mono	ICC, FC	No
LINGO-2	MAB36791	R&D Systems	Mouse	Mono	WB, ICC, FC	No
LRRK2	NB300-268	Novus Biologicals	Human, Mouse +	Poly	WB, ICC, IHC, IP	Yes
MAP2	NB300-213	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	No
Mash1	NBP1-51269	Novus Biologicals	Human, Mouse, Rat	Poly	WB, IHC	No
MBL	AF2307	R&D Systems	Mouse	Poly	WB, ELISA	Yes
MBP	MAB42281	R&D Systems	Mouse	Mono	WB	No
Melatonin Receptor 1A	NBP1-71113	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC, ELISA	No
Melatonin Receptor 1B	NLS932	Novus Biologicals	Human, Mouse, Rat	Poly	WB, IHC	Yes
MELK	NBP1-19598	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	No
Meteorin	AF3475	R&D Systems	Mouse	Poly	WB, ICC	Yes

Molecule	Catalog #	Brand	Species	Clonality	Applications	Conjugates
mGluR1	MAB4836	R&D Systems	Mouse	Mono	IHC	No
mGluR1a	NB110-39033	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	No
mGluR2	MAB4676	R&D Systems	Mouse	Mono	WB, FC	No
mGluR3	AF4668	R&D Systems	Mouse	Poly	WB, IHC	Yes
mGluR4	AF7387	R&D Systems	Mouse	Poly	IHC, FC	No
mGluR5	MAB4514	R&D Systems	Mouse	Mono	WB, FC	No
mGluR6	NB300-189	Novus Biologicals	Mouse, Rat	Poly	WB, ICC, IHC	Yes
mGluR7	MAB4405	R&D Systems	Mouse	Mono	FC	No
mGluR8	MAB5277	R&D Systems	Mouse	Mono	WB, IHC	No
Mitofilin	NB100-1919	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IP, DB	No
Mitofusin 1	NBP1-71775	Novus Biologicals	Human, Mouse, Rat	Mono	WB, ICC, IHC, FC	Yes
MMP-3	AF513	R&D Systems	Human	Poly	WB, IHC, ELISA, IP	Yes
μ Opioid Receptor	NBP1-96656	Novus Biologicals	Human, Mouse, Rat	Mono	WB, IHC, FC, IP	No
Musashi 1	NB100-1759	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	No
Myelin Basic Protein	NB600-717	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC, ELISA, RI	No
N-Cadherin	NBP1-48309	Novus Biologicals	Human, Mouse, Rat	Mono	WB, ICC, IHC, IP	Yes
NCAM-1/CD56	NBP2-15184	Novus Biologicals	Human, Rat +	Mono	WB, ICC, IHC, FC, ELISA, IP	No
NCAM-1/CD56	AF6070	R&D Systems	Mouse, Rat	Poly	WB	No
Nectin-1	AF2880	R&D Systems	Human, Mouse	Poly	WB	Yes
Nectin-2/CD112	AF3869	R&D Systems	Mouse	Poly	WB	No
Nectin-3	AF3064	R&D Systems	Mouse	Poly	WB, IHC, FC	Yes
Nectin-4	AF2659	R&D Systems	Mouse	Poly	WB, IHC, FC	Yes
Neprilysin	MAB11821	R&D Systems	Mouse	Mono	WB	No
Neprilysin	AF1182	R&D Systems	Mouse	Poly	WB, IHC, FC, ELISA, IP	Yes
Neprilysin (Ectodomain)	MAB1126	R&D Systems	Human, Mouse	Mono	WB, IHC	No
Nestin	NB300-265	Novus Biologicals	Human (Rodent Negative)	Poly	WB, ICC	Yes
Nestin	NB300-266	Novus Biologicals	Human (Rodent Negative)	Mono	WB, ICC, IHC, FC	Yes
Netrin-1	AF1109	R&D Systems	Mouse	Poly	WB, B/N	Yes
Netrin-4	AF1132	R&D Systems	Mouse	Poly	WB, IHC, B/N	Yes
Netrin-G1a	AF1166	R&D Systems	Mouse	Poly	WB	No
Netrin-G2a	MAB2744	R&D Systems	Mouse	Mono	WB	No
NeuN	NBP1-77686	Novus Biologicals		Poly	ICC, IHC	Yes
Neuregulin-3/NRG3	AF753	R&D Systems	Mouse	Poly	WB, IHC	Yes
Neurexin 1β	AF4524	R&D Systems	Rat	Poly	WB, IIIO	Yes
Neurexin 3	AF5269	R&D Systems	Human, Mouse	Poly	WB, IHC	Yes
Neurexophilin-1	AF4208	R&D Systems	Rat	Poly	WB, ITIO	No
Neurexophilin-3	AF5098	R&D Systems	Human, Mouse, Rat	Poly	WB	No
Neuritin	AF283	R&D Systems	Mouse Mouse	Poly	WB, ICC	No
Neurocan	AF5800	R&D Systems	Mouse, Rat	Poly	WB, IHC	Yes
NeuroD1	AF2746	R&D Systems	Human, Mouse	Poly	WB, ICC	Yes
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NeuroD2	AF2775	R&D Systems	Human, Mouse	Poly	WB IHC	No
Neurofibromin 1	AF3235	R&D Systems	Human, Mouse, Rat	Poly	WB, IHC	No
Neurofibromin 1	NB300-155	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	No
Neurogenin-1	MAB3524	R&D Systems	Mouse	Mono	WB	No
Neurogenin-2	MAB3314	R&D Systems	Human, Rat	Mono	IHC	No
Neurogenin-3	AF3444	R&D Systems	Mouse	Poly	WB	Yes

Molecule	Catalog #	Brand	Species	Clonality	Applications	Conjugates
Neuroglycan C	AF5665	R&D Systems	Mouse, Rat	Poly	WB, IHC	No
Neurogranin	AF7947	R&D Systems	Human, Mouse, Rat	Poly	WB, IHC	No
Neurokinin 1 Receptor	NB300-101	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	No
Neurokinin B	NB300-201	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	Yes
Neuroligin 1	AF4340	R&D Systems	Human, Rat	Poly	WB, IHC	Yes
Neuroligin 2	AF5645	R&D Systems	Human, Rat	Poly	WB	No
Neuroligin 3	AF6088	R&D Systems	Human, Mouse, Rat	Poly	WB, IHC	No
Neuroligin 4	AF5158	R&D Systems	Mouse	Poly	WB, IHC	No
Neurolysin	AF3814	R&D Systems	Human, Mouse, Rat	Poly	WB, IP	No
Neuromedin B Receptor	MAB47281	R&D Systems	Mouse	Mono	IHC	No
Neuronal Pentraxin Receptor	AF4414	R&D Systems	Mouse	Poly	WB, IHC	No
Neuron-Specific β-III Tubulin	MAB1195	R&D Systems	All Species	Mono	WB, ICC	Yes
Neurophysin II	AF009	R&D Systems	Mouse	Poly	WB, IHC	No
Neuropilin-1	AF566	R&D Systems	Mouse, Rat	Poly	WB, IHC, FC, B/N	Yes
Neuropilin-2	AF567	R&D Systems	Mouse, Rat	Poly	WB, B/N	Yes
Neuroplastin 65	AF5360	R&D Systems	Human, Mouse	Poly	WB, IHC	Yes
Neuropoietin	AF2709	R&D Systems	Mouse	Poly	WB	Yes
Neurturin	AF477	R&D Systems	Human, Mouse	Poly	WB, IHC, B/N	No
NF2/Merlin	MAB5616	R&D Systems	Mouse	Mono	WB	No
NFκB p105/p50	NB100-56583	Novus Biologicals	Human	Mono	WB, IHC	Yes
NFκB p65	NB100-56647	Novus Biologicals	Human, Mouse, Rat	Poly	WB	No
NF-H	NB300-135	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC, ELISA	No
NF-L	NB300-131	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	No
NF-M	NB300-133	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	No
NG2/MCSP	MAB6689	R&D Systems	Mouse	Mono	IHC	No
3-NGF	AF-556-NA	R&D Systems	Rat	Poly	WB, IHC, ELISA, B/N	Yes
NGF Receptor	AF1157	R&D Systems	Mouse	Poly	WB, IHC	Yes
NGL-1/LRRC4C	MAB4899	R&D Systems	Mouse	Mono	IHC	Yes
NGL-3/LRRC4B	MAB69191	R&D Systems	Mouse	Mono	WB	No
NgR2/NgRH1	AF2776	R&D Systems	Mouse	Poly	WB	No
NgR3/NgRH2	MAB2920	R&D Systems	Mouse	Mono	WB	Yes
Nicastrin	MAB53781	R&D Systems	Mouse	Mono	WB	No
NMDA Receptor 1	NB300-118	Novus Biologicals	Human, Mouse, Rat	Mono	WB, ICC, IHC, IP	No
NMDA Receptor 2A	NB300-105	Novus Biologicals	Human, Mouse, Rat	Poly	WB, IHC, IP	No
NMDA Receptor 2B	NB300-106	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC, FC, IP	No
nNOS	AF2416	R&D Systems	Mouse	Poly	WB, IHC	No
Noggin	AF719	R&D Systems	Mouse	Poly	WB, ICC, IHC	Yes
Nogo Receptor	AF1440	R&D Systems	Mouse	Poly	WB	Yes
Nogo-A (aa 2-172)	AF3098	R&D Systems	Rat	Poly	WB, IHC	No
Nogo-B	AF6034	R&D Systems	Human, Mouse	Poly	WB, IHC	No
Nogo-C	MAB5766	R&D Systems	Mouse	Mono	IHC	No
Notch1	NB100-78486	Novus Biologicals	Human, Mouse, Rat (Negative)	Mono	WB, ICC, IHC, FC, IP	No
NPR-1	MAB3974	R&D Systems	Mouse	Mono	IHC	No
NRAGE	AF3835	R&D Systems	Human, Mouse, Rat	Poly	WB	No
NrCAM	AF2034	R&D Systems	Mouse	Poly	WB, IHC	Yes

NRG1 (soform GGF2) AF2015 R8.0 Systems Mouse Poly WB Yes NRG1-μ/RRG1-μ1 AF396-NA R2D Systems Mouse Poly WB, IHC, B/N Yes NRSE1-JPL/RRG1-μ1 AF396-NA R2D Systems Mouse Poly WB, IHC, B/N Yes NSE 503α NB10-5870 Novas Biologicals Human, Mouse, Rat Poly WB, ICC, IP Yes NT-3 MAB267 R8D Systems Mouse Mono ELSA, B/N No NT-4 AF268-NA R8D Systems Mouse Poly WB, IHC, B/N Yes VIT4 AF268-NA R8D Systems Mouse Poly WB, IHC, B/N Yes VIT6 NB50-1780 Novas Biologicals Human, Mouse Poly WB, IHC, B/N Yes VUR77 NB10-56745 Novas Biologicals Human, Mouse Poly WB, ICC, IHC, IP No VUR74 NB12-5666 Novas Biologicals Human, Mouse Poly WB, ICC, IHC, IP No Dilgodend	Molecule	Catalog #	Brand	Species	Clonality	Applications	Conjugates
NRG1β1/HRG1β1	NRG1 Isoform GGF2	AF2015	R&D Systems	Mouse	Poly		
NSE	NRG1-α/HRG1-α	AF-296-NA	R&D Systems	Mouse	Poly	WB, IHC, B/N	Yes
NSP 5ω3α NB100 517 Novus Biologicals Human Novus Mono ELISA, By N No	NRG1-β1/HRG1-β1	AF-396-NA	R&D Systems	Mouse	Poly	WB, IHC, B/N	Yes
Name	NSE	NB110-58870	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC	No
NET-14 AF-268-NA R&D Systems Mouse Poly WB, IHC, B/N Yes	NSP $5\alpha3\alpha$	NB100-517	Novus Biologicals	Human	Poly	WB, ICC, IP	Yes
NSP1-47892 Novus Biologicals Human Mono WB, ICC, IHC No NO NUMBER Novus Biologicals Human Mouse + Poly WB, ICC Yes NUMBER Novus Biologicals Human Mouse + Poly WB, ICC, ChIP, IP No No No No No No No N	NT-3	MAB267	R&D Systems	Mouse	Mono	ELISA, B/N	No
NB50-178 NB50-178 Novus Biologicals Human, Mouse + Poly WB, ICC Yes	NT-4	AF-268-NA	R&D Systems	Mouse	Poly	WB, IHC, B/N	Yes
Number	NTF3	NBP1-47892	Novus Biologicals	Human	Mono	WB, ICC, IHC	No
Dect-3/4 MAB1759	NUMB	NB500-178	Novus Biologicals	Human, Mouse +	Poly	WB, ICC	Yes
Decida NE17591R R&D Systems Mouse Mono ICC Yes	NUR77	NB100-56745	Novus Biologicals	Human, Mouse	Poly	WB, ICC, ChIP, IP	No
Dig 1	Oct-3/4	MAB1759	R&D Systems	Human, Mouse	Mono	WB, ICC, FC	No
Dig 2	Oct-4A	NL17591R	R&D Systems	Mouse	Mono	ICC	Yes
Dilg 3	Olig 1	NBP1-28666	Novus Biologicals	Mouse, Rat	Poly	WB, ICC, IHC, IP	No
Diligodendrocyte Marker O1	Olig 2	NBP1-28667	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC, IP	No
Digodendrocyte Marker 04 MAB1326 R&D Systems Human, Mouse, Rat + Mono ICC, FC No No DMgp AF1674 R&D Systems Mouse Poly WB No No DPA1 NB110-55290 Novus Biologicals Human, Mouse, Rat + Poly WB, IHC Yes No NBP1-84682 Novus Biologicals Human, Mouse Poly WB, IHC, IHC No No NBP1-84682 Novus Biologicals Human, Mouse Poly WB, ICC, IHC No NB110-58000 Novus Biologicals Human, Mouse, Rat (Negative) Mono WB, ICC, IHC, IP No Na NBP1-84306 Novus Biologicals Human, Mouse, Rat Mono WB, ICC, IHC, IP No Na NB No NBP1-84306 Novus Biologicals Human, Mouse, Rat Poly WB, ICC, IHC, IP No Na NB No NB NB Na Na Na Na Na Na	Olig 3	NBP1-88627	Novus Biologicals	Human	Poly	WB, ICC, IHC	No
OMgp AF1674 R&D Systems Mouse Poly WB No DPA1 NB10-55290 Novus Biologicals Human, Mouse, Rat + Poly WB, ICC, IHC Yes Dptineurin NBP1-84682 Novus Biologicals Human, Mouse Poly WB, ICC, IHC, IP No MAGUK (pan) NB110-58000 Novus Biologicals Human, Mouse, Rat (Negative) Mono WB, ICC, IHC, IP No MAGUK (pan) NB100-4833 Novus Biologicals Human, Mouse, Rat + Mono WB, IHC, IP No Parkin AF1438 R&D Systems Mouse Poly WB, IHC No Parkin NB300-429 Novus Biologicals Human Poly WB, IP No Parkin NB300-429 Novus Biologicals Human Mouse Poly WB, IPC, IHC, IP No Parkin NB300-106 Novus Biologicals Human, Mouse, Rat + Poly WB, IPC, IHC, IP No PDGF Receptor α AF1062 R&D Systems Mouse Poly WB,	Oligodendrocyte Marker 01	MAB1327	R&D Systems	Human, Mouse, Rat +	Mono	ICC, FC	No
DPA1	Oligodendrocyte Marker O4	MAB1326	R&D Systems	Human, Mouse, Rat +	Mono	ICC, FC	No
Optineurin NBP1-84682 Novus Biologicals Human, Mouse Poly WB, ICC, IHC No 675 NB110-58000 Novus Biologicals Human, Mouse, Rat (Negative) Mono WB, ICC, IHC, IP No MAGUK (pan) NBP1-48306 Novus Biologicals Human, Mouse, Rat + Mono WB, IHC, IP No Parkin NB100-483 Novus Biologicals Human, Mouse, Rat + Poly WB, ICC, IHC, IP No Parkin AF1438 R&D Systems Mouse Poly WB, IHC No Parkin NB300-429 Novus Biologicals Human Poly WB, IP No Parkin NB300-429 Novus Biologicals Human, Mouse, Rat + Poly WB, ICC, IHC, IP No Pax66 NB300-750 Novus Biologicals Human, Mouse, Rat + Mon WB, ICC, IHC, IP No PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC, B/N Yes PDPARy NBP1-61399 Novus Biologicals Human, Mouse, Rat Poly	OMgp	AF1674	R&D Systems	Mouse	Poly	WB	No
NB110-58000 Novus Biologicals Human, Mouse, Rat (Negative) Mono WB, ICC, IHC, IP No MAGUK (pan) NBP1-48306 Novus Biologicals Human, Mouse, Rat + Mono WB, IHC, IP No Park7 (DJ-1) NB100-483 Novus Biologicals Human, Mouse, Rat + Poly WB, ICC, IHC, IP No Parkin AF1438 R&D Systems Mouse Poly WB, IHC No Parkin NB300-429 Novus Biologicals Human Poly WB, IHC No Parkin NB300-429 Novus Biologicals Human Poly WB, IP No Parkin NB300-429 Novus Biologicals Human Poly WB, ICC, IHC, IP No Parkin NB300-750 Novus Biologicals Human, Mouse, Rat + Poly WB, ICC, IHC, IP No Parkin NB500-106 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, IP No Parkin NB500-106 Novus Biologicals Human, Mouse Poly WB, IHC, B/N Yes Parkin NB300-676 Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes Parkin NB300-676 Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes Parkin BC100-494 Novus Biologicals Human, Mouse Poly WB, ICC, IHC, FC, ELISA, IP No Parkin BC100-494 Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes Parkin BC100-494 Novus Biologicals Human, Mouse Poly WB, ICC, IHC, FC, ELISA, IP No Paresenilin-1 (N-Term) AF166 R&D Systems Mouse Poly WB, IHC Yes Paresenilin-1 (N-Term) AF166 R&D Systems Mouse Poly WB, IHC Yes Paresenilin-2 (C-Term) AF197 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Paresenilin-	OPA1	NB110-55290	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IHC	Yes
MAGUK (pan) NBP1-48306 Novus Biologicals Human, Mouse, Rat + Mono WB, IHC, IP No Park7(DJ-1) NB100-483 Novus Biologicals Human, Mouse, Rat Poly WB, ICC, IHC, IP No Parkin AF1438 R&D Systems Mouse Poly WB, IHC No Parkin NB300-429 Novus Biologicals Human Poly WB, IP No PAX6 NB300-750 Novus Biologicals Human, Mouse, Rat + Poly WB, ICC, IHC, IP No PCDA NB500-106 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, IP No PDGF Receptor α AF1062 R&D Systems Mouse Poly WB, IHC, B/N Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC, B/N Yes PGP9,5/UCHL-1 NB300-676 Novus Biologicals Human, Mouse Poly WB, ICC, IHC, PEP-ELISA, IP No PPARY NBP1-61399 Novus Biologicals Human, Mouse, Rat Poly	Optineurin	NBP1-84682	Novus Biologicals	Human, Mouse	Poly	WB, ICC, IHC	No
Park (DJ-1) NB 100-483 Novus Biologicals Human, Mouse, Rat Poly WB, ICC, IHC, IP No Parkin AF1438 R&D Systems Mouse Poly WB, IHC No Parkin NB300-429 Novus Biologicals Human Poly WB, IP No Parkin NB300-429 Novus Biologicals Human Poly WB, IP No PAX6 NB300-750 Novus Biologicals Human, Mouse, Rat + Poly WB, ICC, IHC, IP No PAX6 NB500-106 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, IP No PDGF Receptor α AF1062 R&D Systems Mouse Poly WB, IHC, B/N Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC Yes PDGF Receptor β Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PAR7 NBP1-61399 Novus Biologicals Human, Mouse Poly WB, ICC, IHC, PEP-ELISA, IP No PDF PAR7 NBP1-61399 Novus Biologicals Human, Mouse Poly WB, IHC, ELISA NO PDF PAR7 NBP1-61399 Novus Biologicals Human, Mouse Poly WB, IHC Yes PDF PAR7 NBP1-61399 Novus Biologicals Human, Mouse Poly WB, IHC Yes PDF PAR7 NBP1-61399 Novus Biologicals Human, Mouse Poly WB, IHC Yes PDF PAR7 NBP1-61399 Novus Biologicals Mouse Poly WB, IHC Yes PDF PAR7 R&D Systems Mouse Poly WB, IHC Yes PDF PAR7 R&D Systems Mouse Poly WB, IHC No PDF PAR7 R&D Systems Mouse Poly WB, IHC No PDF PAR8 NBP1-41202 R&D Systems Mouse Poly WB, IHC No PDF PAR8 NBP1-41202 Novus Biologicals Human, Mouse, Rat Poly WB, IHC No PDF PAR8 NBP1-41202 Novus Biologicals Human, Mouse, Rat Poly WB, IHC, FC, ChIP, IP, B/N Yes PAR8 NBP1-41202 Novus Biologicals Human, Mouse Poly WB, IHC, CHIP, IP Yes	p75	NB110-58000	Novus Biologicals	Human, Mouse, Rat (Negative)	Mono	WB, ICC, IHC, IP	No
Parkin AF1438 R&D Systems Mouse Poly WB, IHC No Parkin NB300-429 Novus Biologicals Human Poly WB, IP No PAX6 NB300-750 Novus Biologicals Human, Mouse, Rat + Poly WB, ICC, IHC, IP No PCNA NB500-106 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ELISA, IP Yes PDGF Receptor α AF1062 R&D Systems Mouse Poly WB, IHC WB, IHC Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, ICC, IHC, PEP-ELISA, IP No PDGF Receptor β AF166 R&D Systems Mouse Poly WB, IHC WB, IHC	MAGUK (pan)	NBP1-48306	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, IHC, IP	No
Parkin NB300-429 Novus Biologicals Human Poly WB, IP No PAX6 NB300-750 Novus Biologicals Human, Mouse, Rat + Poly WB, ICC, IHC, IP No PAX6 NB500-106 Novus Biologicals Human, Mouse, Rat + Poly WB, ICC, IHC, FC, ELISA, IP Yes PDGF Receptor α AF1062 R&D Systems Mouse Poly WB, IHC, B/N Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC WB, IHC Yes PDGF Receptor β Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PDGF Receptor β Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PDGF Receptor β Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PDGF Receptor β Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PDGF Receptor β Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PDGF Receptor β Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PDGF Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PDGF Novus Biologicals Human, Mouse Poly WB, IHC Yes PDGF Novus Biologicals Mouse Poly WB, IHC Novus Biologicals Novus Biologicals Rat Poly WB, IHC Yes PDGF Novus Biologicals Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA Novus Biologicals Human, Mouse WB, ICC, IHC, CHIP, IP Yes	Park7(DJ-1)	NB100-483	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC, IP	No
PAX6 NB300-750 Novus Biologicals Human, Mouse, Rat + Poly WB, ICC, IHC, IP No PCNA NB500-106 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ELISA, IP Yes PDGF Receptor α AF1062 R&D Systems Mouse Poly WB, IHC, B/N Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC Yes PDGF Receptor β Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PINK1 BC100-494 Novus Biologicals Human, Mouse Poly WB, ICC, IHC PEP-ELISA, IP No PPARY NBP1-61399 Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA No Presenilin-1 (C-Term) AF166 R&D Systems Mouse Poly WB, IHC Yes Presenilin-1 (N-Term) MAB1491 R&D Systems Mouse Mono WB No Presenilin-2 (C-Term) AF153 R&D Systems Mouse Poly WB, IHC No Presenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC Yes PSD-93 NB300-556 Novus Biologicals Human, Mouse, Rat Poly WB, ICC, IHC No PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat Poly WB, IHC, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RAGE NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	Parkin	AF1438	R&D Systems	Mouse	Poly	WB, IHC	No
PCNA NB500-106 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ELISA, IP Yes PDGF Receptor α AF1062 R&D Systems Mouse Poly WB, IHC, B/N Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC Yes PDGF Receptor β Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PDGP S/UCHL-1 NB300-676 Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PDRARγ NBP1-61399 Novus Biologicals Human, Mouse Poly WB, ICC, IHC, PEP-ELISA, IP No PDPARγ NBP1-61399 Novus Biologicals Human, Mouse, Rat Poly WB, IHC Yes PDGF Receptor β AF166 R&D Systems Mouse Poly WB, IHC Yes PDGF Receptor β AF166 R&D Systems Mouse Poly WB, IHC Yes PDGF Receptor β AF166 R&D Systems Mouse Poly WB, IHC Yes PDGF Receptor β AF153 R&D Systems Mouse Poly WB, IHC No PDGF Receptor β AF153 R&D Systems Mouse Poly WB, IHC No PDGF Receptor β AF154 Novus Biologicals Rat Poly WB, IHC Yes PDGF RAGE AF1145 R&D Systems Mouse Poly WB, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RAGE NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	Parkin	NB300-429	Novus Biologicals	Human	Poly	WB, IP	No
PDGF Receptor α AF1062 R&D Systems Mouse Poly WB, IHC, B/N Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC Yes PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, ICC, IHC Yes PDGF Receptor β NB300-676 Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PDGF Receptor β NB300-696 Novus Biologicals Human, Mouse Poly WB, ICC, IHC, PEP-ELISA, IP No PDGF Receptor β NBP1-61399 Novus Biologicals Human, Mouse Poly WB, IHC, ELISA No PDGF Receptor β NB91-61399 Novus Biologicals Human, Mouse Poly WB, IHC Yes PDGF Receptor β NB91-61399 Novus Biologicals Mouse Novus Poly WB, IHC No PDGF Receptor β NB300-546 Novus Biologicals Rat Poly WB, IHC No PDGF Receptor β NB300-556 Novus Biologicals Human, Mouse, Rat Poly WB, IHC, FC, ChIP, IP, B/N Yes READA48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	PAX6	NB300-750	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC, IP	No
PDGF Receptor β AF1042 R&D Systems Mouse Poly WB, IHC Yes PGP9.5/UCHL-1 NB300-676 Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PINK1 BC100-494 Novus Biologicals Human, Mouse Poly WB, ICC, IHC, PEP-ELISA, IP No PPARγ NBP1-61399 Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA No Presenilin-1 (C-Term) AF166 R&D Systems Mouse Poly WB, IHC Yes Presenilin-2 (C-Term) MAB1491 R&D Systems Mouse Mono WB No Presenilin-2 (C-Term) AF197 R&D Systems Mouse Poly WB, IHC No Presenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC Yes PSD-93 NB300-546 Novus Biologicals Rat Poly WB, ICC, IHC No PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RAAP48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	PCNA	NB500-106	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC, FC, ELISA, IP	Yes
PGP9.5/UCHL-1 NB300-676 Novus Biologicals Human, Mouse Poly WB, ICC, IHC Yes PINK1 BC100-494 Novus Biologicals Human, Mouse Poly WB, ICC, IHC, PEP-ELISA, IP No PPARY NBP1-61399 Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA No Presenilin-1 (C-Term) AF166 R&D Systems Mouse Poly WB, IHC Yes Presenilin-2 (C-Term) MAB1491 R&D Systems Mouse Mono WB No Presenilin-2 (C-Term) AF153 R&D Systems Mouse Poly WB, IHC No Presenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC Yes PSD-93 NB300-546 Novus Biologicals Rat Poly WB, ICC, IHC No PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RADP48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	PDGF Receptor α	AF1062	R&D Systems	Mouse	Poly	WB, IHC, B/N	Yes
PINK1 BC100-494 Novus Biologicals Human, Mouse Poly WB, ICC, IHC, PEP-ELISA, IP No PPARY NBP1-61399 Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA No Presenilin-1 (C-Term) AF166 R&D Systems Mouse Poly WB, IHC Yes Presenilin-2 (N-Term) MAB1491 R&D Systems Mouse Poly WB Presenilin-2 (C-Term) AF197 R&D Systems Mouse Poly WB Presenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC Yes PSD-93 NB300-546 Novus Biologicals Rat Poly WB, ICC, IHC No PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RAGE NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	PDGF Receptor β	AF1042	R&D Systems	Mouse	Poly	WB, IHC	Yes
PPARY NBP1-61399 Novus Biologicals Human, Mouse, Rat Poly WB, IHC, ELISA No Presenilin-1 (C-Term) AF166 R&D Systems Mouse Poly WB, IHC Yes Presenilin-1 (N-Term) MAB1491 R&D Systems Mouse Mono WB No Presenilin-2 (C-Term) AF197 R&D Systems Mouse Poly WB, IHC No Presenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC Yes PSD-93 NB300-546 Novus Biologicals Rat Poly WB, ICC, IHC No PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RAGE NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	PGP9.5/UCHL-1	NB300-676	Novus Biologicals	Human, Mouse	Poly	WB, ICC, IHC	Yes
Presenilin-1 (C-Term) AF166 R&D Systems Mouse Poly WB, IHC Yes Presenilin-1 (N-Term) MAB1491 R&D Systems Mouse Mono WB No Presenilin-2 (C-Term) AF197 R&D Systems Mouse Poly WB Yes Presenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC Yes PSD-93 NB300-546 Novus Biologicals Rat Poly WB, ICC, IHC No PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RAAP48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	PINK1	BC100-494	Novus Biologicals	Human, Mouse	Poly	WB, ICC, IHC, PEP-ELISA, IP	No
Presenilin-1 (N-Term) MAB1491 R&D Systems Mouse Mono WB No Presenilin-2 (C-Term) AF197 R&D Systems Mouse Poly WB Yes Presenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC Yes PSD-93 NB300-546 Novus Biologicals Rat Poly WB, ICC, IHC No PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RAAP48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	PPARγ	NBP1-61399	Novus Biologicals	Human, Mouse, Rat	Poly	WB, IHC, ELISA	No
Presenilin-2 (C-Term) AF197 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC Yes PSD-93 NB300-546 Novus Biologicals Rat Poly WB, ICC, IHC No PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RAAP48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	Presenilin-1 (C-Term)	AF166	R&D Systems	Mouse	Poly	WB, IHC	Yes
Presenilin-2 (N-Term) AF153 R&D Systems Mouse Poly WB, IHC No Progranulin AF2420 R&D Systems Mouse Poly WB, IHC Yes PSD-93 NB300-546 Novus Biologicals Rat Poly WB, ICC, IHC No PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RADAP48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	Presenilin-1 (N-Term)	MAB1491	R&D Systems	Mouse	Mono	WB	No
Progranulin AF2420 R&D Systems Mouse Poly WB, IHC Yes PSD-93 NB300-546 Novus Biologicals Rat Poly WB, ICC, IHC No PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RADAP48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	Presenilin-2 (C-Term)	AF197	R&D Systems	Mouse	Poly	WB	Yes
PSD-93 NB300-546 Novus Biologicals Rat Poly WB, ICC, IHC No PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RADAP48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	Presenilin-2 (N-Term)	AF153	R&D Systems	Mouse	Poly	WB, IHC	No
PSD-95 NB300-556 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC, IHC, FC, ChIP, IP, B/N Yes RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RbAp48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	Progranulin	AF2420	R&D Systems	Mouse	Poly	WB, IHC	Yes
RAGE AF1145 R&D Systems Mouse Poly WB, IHC, B/N Yes RbAp48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	PSD-93	NB300-546	Novus Biologicals	Rat	Poly	WB, ICC, IHC	No
RbAp48 NBP1-41202 Novus Biologicals Human Mono WB, ICC, IHC, CHIP, IP Yes	PSD-95	NB300-556	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC, FC, ChIP, IP, B/N	Yes
	RAGE	AF1145	R&D Systems	Mouse	Poly	WB, IHC, B/N	Yes
2CAN1 NPD1 46952 News Biologicals Human Mayor Bet Boly WD IHC Ver	RbAp48	NBP1-41202	Novus Biologicals	Human	Mono	WB, ICC, IHC, CHIP, IP	Yes
NOTI-40000 INDICE TOURS DISTRIBUTED TO THE TOURS OF THE T	RCAN1	NBP1-46853	Novus Biologicals	Human, Mouse, Rat	Poly	WB, IHC	Yes
Reelin MAB3820 R&D Systems Mouse Mono WB No	Reelin	MAB3820	R&D Systems	Mouse	Mono	WB	No
RGM-A MAB2458 R&D Systems Human, Mouse + Mono WB No	RGM-A	MAB2458	R&D Systems	Human, Mouse +	Mono	WB	No
RGM-B AF3630 R&D Systems Mouse Poly WB, FC No	RGM-B	AF3630	R&D Systems	Mouse	Poly	WB, FC	No
Rhodopsin NBP2-25160 Novus Biologicals Human, Mouse, Rat + Mono WB, ICC No	Rhodopsin	NBP2-25160	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC	No

Molecule	Catalog #	Brand	Species	Clonality	Applications	Conjugates
ROBO1	AF1749	R&D Systems	Rat	Poly	WB, IHC	Yes
ROBO2	MAB3147	R&D Systems	Mouse	Mono	WB, ICC, FC	No
ROBO3	AF3076	R&D Systems	Mouse	Poly	WB, IHC	Yes
ROBO4	MAB2454	R&D Systems	Mouse	Mono	WB, FC	No
RPE65	NB100-355	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC, FC	Yes
R-Spondin 1	MAB4658	R&D Systems	Human, Mouse	Mono	WB	No
R-Spondin 2	MAB3266	R&D Systems	Mouse	Mono	B/N	No
R-Spondin 3	AF35001	R&D Systems	Mouse	Poly	B/N	No
R-Spondin 4	AF4106	R&D Systems	Mouse	Poly	B/N	No
S100A4	NBP1-95606	Novus Biologicals	Human (Mouse, Rat Negative)	Mono	WB, ICC, IHC, FC, IP	No
S100A9	NB110-89726	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	No
S100B	NBP1-41373	Novus Biologicals	Human, Mouse, Rat	Mono	WB, IHC	No
Semaphorin 3E	AF3239	R&D Systems	Human, Mouse	Poly	WB, ICC, IHC	No
Semaphorin 4D	MAB52351	R&D Systems	Mouse	Mono	FC	Yes
Serotonin N- Acetyltransferase	NB100-135	Novus Biologicals	Human	Poly	WB, ICC	Yes
SHANK1	NB300-167	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	No
SHH	NBP2-22139	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	No
SLC31A1	NB100-402	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	Yes
Slit2	AF5444	R&D Systems	Mouse	Poly	IHC	No
Slit3	AF3629	R&D Systems	Human, Mouse, Rat	Poly	WB, B/N	No
SLITRK1	MAB30091	R&D Systems	Mouse	Mono	IHC	No
SLITRK2	AF2657	R&D Systems	Mouse	Poly	WB	Yes
SLITRK5	AF2587	R&D Systems	Mouse	Poly	WB	Yes
SLITRK6	AF7317	R&D Systems	Mouse	Poly	WB	No
SMAD6	NB100-56440	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IHC	No
SMN	NB100-1936	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC, ELISA, IP	Yes
Smoothened	NBP2-24543	Novus Biologicals	Human, Mouse +	Poly	WB, IHC	No
SNAP23	AF6306	R&D Systems	Mouse	Poly	WB, ICC	No
SNAP25	AF5946	R&D Systems	Human, Mouse, Rat	Poly	WB, ICC	No
SNAP29	AF7869	R&D Systems	Mouse	Poly	WB, ICC	No
Snapin	MAB7795	R&D Systems	Human, Mouse	Mono	WB	No
SOD1	NBP2-24915	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	No
Sodium Potassium ATPase $\alpha 1$	NB300-146	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC, FC	No
Somatostatin Receptor 1	NB120-2366	Novus Biologicals	Mouse, Rat	Poly	ICC, IHC	No
Somatostatin Receptor 2	NB300-157	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC, FC, IP	No
Somatostatin Receptor 3	NB100-74538	Novus Biologicals	Human	Poly	WB, ICC, IHC	No
Somatostatin Receptor 4	NB100-74539	Novus Biologicals	Human, Mouse	Poly	WB, ICC, IHC	No
Somatostatin Receptor 5	NB100-56498	Novus Biologicals	Human +	Poly	WB, IHC	No
SorLA	AF5699	R&D Systems	Human, Mouse	Poly	WB, IHC	No
Sortilin	AF2934	R&D Systems	Mouse	Poly	WB, IHC, B/N	Yes
SOX2	NB110-37235	Novus Biologicals	Human, Mouse +	Poly	WB, ICC, IHC, FC	Yes
Spectrin β3	NB110-58346	Novus Biologicals	Human	Poly	WB, IHC, IP	Yes
	ND200 107	Novus Biologicals	Human, Mouse, Rat	Poly	ICC, IHC	No
Substance P	NB300-187	1404do Biologicalo		- ,		
Substance P SUM01	AF3289	R&D Systems	Human, Mouse	Poly	WB	No

Molecule	Catalog #	Brand	Species	Clonality	Applications	Conjugates
Survivin	NB500-201	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC, ELISA, ChIP, IP	Yes
Synapsin I	NB300-104	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC, IP	No
Synaptophysin	NB300-653	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC, IP	No
Synaptotagmin-1	MAB43641	R&D Systems	Rat	Mono	WB, IHC, IP	No
Syntabulin	AF5544	R&D Systems	Mouse	Poly	WB	No
Syntaxin 1A	AF7237	R&D Systems	Human, Mouse, Rat	Poly	WB, ICC	No
Syntaxin 1B	MAB6848	R&D Systems	Human, Mouse, Rat	Mono	WB	No
Syntaxin 5	AF5687	R&D Systems	Mouse	Poly	WB	No
Syntaxin 7	AF5478	R&D Systems	Human, Mouse, Rat	Poly	WB, ICC	No
Syntaxin 12	MAB6617	R&D Systems	Mouse	Mono	WB	No
Syntaxin 16	AF5648	R&D Systems	Mouse	Poly	WB	No
Syntaxin-BP1	AF5675	R&D Systems	Human, Mouse, Rat	Poly	WB, IHC	No
Synuclein-α	NBP1-26380	Novus Biologicals	Human, Mouse	Mono	WB, IHC, FC	Yes
Synuclein-α	AF1338	R&D Systems	Mouse	Poly	WB, IHC	Yes
Synuclein-β	MAB5528	R&D Systems	Mouse	Mono	WB, IHC	No
Synuclein-γ	MAB5745	R&D Systems	Mouse	Mono	WB, IHC	No
TACE/ADAM17 (Cytosolic)	MAB2129	R&D Systems	Mouse	Mono	WB, IP	No
TACE/ADAM17 (Ectodomain)	MAB9301	R&D Systems	Mouse	Mono	WB, FC, IP	No
TARDBP	NB110-55376	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC	Yes
Tau	NBP2-25162	Novus Biologicals	Human, Mouse, Rat	Mono	WB, ICC	No
Tau (p Ser416)	NB110-93503	Novus Biologicals	Rat	Poly	WB	No
TBR1	NBP2-15133	Novus Biologicals	Mouse	Poly	WB	No
Tenascin C	NB110-68136	Novus Biologicals	Human, Mouse, Rat	Mono	WB, ICC, IHC, FC, ELISA	Yes
TRAF6	NB100-56179	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, IHC, IP	No
TrkA	AF1056	R&D Systems	Rat	Poly	WB, IHC	Yes
TrkB	AF1494	R&D Systems	Mouse	Poly	WB, IHC, B/N	Yes
TrkC	AF1404	R&D Systems	Mouse	Poly	WB, IHC, B/N	Yes
TRPA1	NB110-40763	Novus Biologicals	Human, Mouse +	Poly	WB, ICC, IHC	Yes
TRPM2	NB110-81601	Novus Biologicals	Mouse, Rat	Poly	WB, ICC, IHC	Yes
TRPM8	NB200-145	Novus Biologicals	Human, Mouse +	Poly	WB, ICC, IHC, ELISA	No
TRPV1	NBP1-71774	Novus Biologicals	Human, Mouse	Poly	ICC, IHC	Yes
Tubulin β3	NBP1-42568	Novus Biologicals	Human	Mono	WB, ICC, FC, ELISA	No
Tyrosine Hydroxylase	AF7566	R&D Systems	Human, Mouse, Rat	Poly	WB, ICC	No
Tyrosine Hydroxylase	NB300-109	Novus Biologicals	Human, Mouse +	Poly	WB, ICC, IHC	No
UNC13A	AF6214	R&D Systems	Human, Mouse	Poly	WB	No
VAMP1/Synaptobrevin 1	NB100-63292	Novus Biologicals	Human +	Mono	WB, IHC, ELISA	No
VAMP2/Synaptobrevin 2	NB300-595	Novus Biologicals	Mouse, Rat +	Poly	WB, IHC, IP	No
VEGF	MAB293	R&D Systems	Mouse	Mono	WB, IHC, ELISA, B/N	No
VEGF 165	AF-293-NA	R&D Systems	Mouse	Poly	WB, ICC, B/N	Yes
VEGF Receptor 1	AF471	R&D Systems	Mouse	Poly	WB, B/N	Yes
VEGF Receptor 2	MAB3572	R&D Systems	Mouse	Mono	FC, B/N	No
	NB300-223	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	No
Vimentin						
VMAT2	NBP1-69750	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC	Yes

ELISAs

Quantikine® ELISA Kits

R&D Systems Quantikine ELISA kits are complete, fully validated, ready-to-run sandwich ELISAs that are considered the industry gold standard.

Legendary Reproducibility

 Our assays are calibrated by ELISA against a master standard to ensure that our kits generate accurate data consistently over time. Results today can be compared to last month or even last year, and will be comparable to future results generated.

Confidence with Controls

Our assays have controls with assigned ranges that confirm assay performance.

Unrivaled Reputation

· Our ELISA kits are the most referenced on the market.

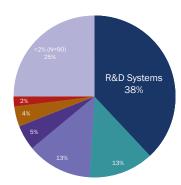
High Specificity

• Every complete ELISA kit is extensively tested against related molecules and common interfering substances to ensure no cross-reactivity or interference.

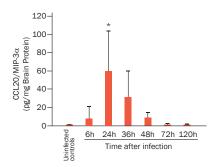
Accurate Detection of Natural Proteins

 Our antibody pairs recognize the supplied recombinant standard and natural proteins in biological samples in a parallel manner.

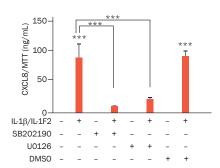
Most Referenced ELISA Manufacturer



ELISA Citations by Vendor. A literature survey of 1,125 manuscripts published in 2013, containing 15,180 product citations from 18 different journals related to cancer, immunology, neuroscience, and stem cells, was conducted to determine the number of citations referencing the use of R&D Systems ELISA kits compared to the number referencing ELISA kits supplied by other companies. Of the 792 ELISA citations identified in the survey, 38% cited the use of our ELISA kits. The percentage of citations attributed to five other ELISA suppliers is also shown (clockwise from R&D Systems, green-red sections). The final section in the pie chart (25%, light blue section) includes 198 citations referencing products from 90 different companies. All companies listed under this category had less than 2% of the total number of citations.



CCL20/MIP-3α Expression during Acute Pneumococcal Meningitis. CCL20/MIP-3α levels were measured in brain homogenates of C57BL/6 mice infected with *Streptococcus pneumonia* type D39 at various time points after infection using the Mouse CCL20/MIP-3α Quantikine ELISA Kit (R&D Systems, Catalog # MCC200). Brain CCL20/MIP-3α levels were also analyzed in uninfected controls. *P<0.001 compared with uninfected controls. *Graph from Klein, M. et al.* (2014) PLoS One 9:e93057.



IL-1β/IL-1F2-Induced CXCL8/IL-8 Expression in Astrocytes is Mediated by MAP Kinases. Human astrocyte cell cultures were treated with either an inhibitor specific for p38 (SB202190) or ERK (U0126), or DMSO (control) for 2 hours, followed by treatment with Recombinant Human IL-1β/IL-1F2 (Catalog # 201-LB). The levels of CXCL8/IL-8 in cell culture supernatants were measured using the Human CXCL8/IL-8 Quantikine ELISA Kit (Catalog # D8000C). CXCL8/IL-8 protein levels were normalized to the number of viable cells as measured using a MTT assay. ***P<0.001. Graph from Mamik, M.K. and A. Ghorpade (2012) PLoS One 7:e45596. All cited reagents are from R&D Systems.

DuoSet® ELISA Development Systems

R&D Systems DuoSet ELISA Development Systems allow you to develop the immunoassay that you need using our gold-standard ELISA reagents. DuoSets are an economical alternative to developing your own matched antibody pair.

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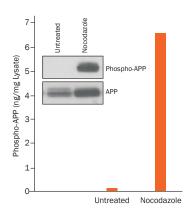
• Capture and detection antibodies are carefully selected to ensure their flawless performance as a sandwich ELISA antibody pair.

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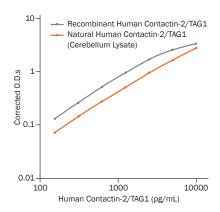
• We offer the largest selection of analytes (>800) for the most species.

Economical

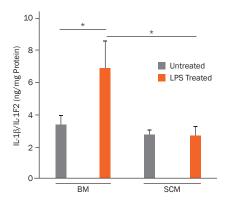
• Many analytes are offered in a smaller 5-plate pack.



Nocodazole-Induced Phosphorylation of APP (T668). Levels of phosphorylated APP (T668) were quantified in lysates prepared from the C6 rat glial cell line that was either untreated or treated with nocodazole using the Human/ Mouse/Rat Phospho-APP (T668) DuoSet IC ELISA Development System (Catalog # DYC2508; bar graph). The same lysates were also immunoblotted (inset) using either a Rabbit Anti-Human/Mouse Phospho-APP (T668) Antigen Affinity-Purified Polyclonal Antibody (Catalog # AF2508) or a Goat Anti-Human APP Pan Specific Antigen Affinity-Purified Polyclonal Antibody (Catalog # AF1168). The DuoSet IC ELISA results correlate with the relative amounts of phosphorylated APP detected by Western blot. All cited reagents are from R&D Systems.



Recognition of Recombinant and Natural Human Contactin-2/TAG1. Serial dilutions of a Contactin-2/TAG1 protein standard (gray line), which was generated from Recombinant Human Contactin-2/TAG1 (Catalog # 1714-CN), or natural Contactin-2/TAG1 present in human cerebellum tissue lysates (orange line) were quantified using the Human Contactin-2/TAG1 DuoSet ELISA Development System (Catalog # DY1714). The DuoSet ELISA detected both recombinant and natural proteins in a parallel manner across a range of concentrations. All cited reagents are from R&D Systems.



LPS Specifically Induces Brain Microglia to Secrete IL-1β/IL-1F2. Primary microglia cell cultures prepared from either brain (BM) or spinal cord (SCM) of post-natal day1 Sprague-Dawley rats were treated with lipopolysaccharide (LPS) for 24 hours or remained untreated. Levels of IL-1β/IL-1F2 were measured in the media from treated (orange bars) and untreated (gray bars) BM and SCM cultures using the Rat IL-1β/IL-1F2 DuoSet ELISA Development System (R&D Systems, Catalog # DY501). *P<0.03 BM LPS Treated versus BM Untreated, and BM LPS Treated versus SCM LPS Treated. Graph from Baskar Jesudasan, S.J. et al. (2014) PLoS One 9:e99443.

Molecule	Species	Catalog #	Туре
14-3-3ζ	Human	DY2669	DuoSet
ACE/CD143	Human	DACE00	Quantikine
ACE/CD143	Mouse	DY1513	DuoSet
Activin A	Human, Mouse, Rat	DAC00B	Quantikine
ADAM12	Human	DAD120	Quantikine
ADAMTS1	Human	DY2197	DuoSet
ADAMTS13	Human	DADT130	Quantikine
Aggrecan	Human	DY1220	DuoSet
Agrin	Rat	DY550	DuoSet
ALCAM/CD166	Mouse	DY1172	DuoSet
ALCAM/CD166	Human	DY656	DuoSet
Apolipoprotein E	Human	DAPE00	Quantikine
APP	Human	DY850	DuoSet
Artemin	Human	DY2589	DuoSet
Attractin	Human	DATRNO	Quantikine
AxI	Human	DY154	DuoSet
AxI	Mouse	DY854	DuoSet
BACE-1	Human	DY931	DuoSet
BDNF	Human	DBD00	Quantikine
BDNF (Pro form)	Human	DY3175	DuoSet
BMP-2	Human	DY355	DuoSet
Butyrylcholinesterase	Human	DBCHEO	Quantikine
Calbindin D	Human	DCALD0	Quantikine
Carbonic Anhydrase IX	Human	DY2188	DuoSet
Caspase-1	Human	DCA100	Quantikine
Caspase-3 (Active)	Human	KM300	Quantikine
CCL2/MCP-1	Human	DCP00	Quantikine
CCL2/JE/MCP-1	Mouse, Rat	MJE00	Quantikine
CCL3/MIP-1α	Human	DMA00	Quantikine
CCL3/MIP-1α	Mouse	MMA00	Quantikine
CCL4/MIP-1β	Human	DMB00	Quantikine
CCL4/MIP-1β	Mouse	MMB00	Quantikine
CCL5/RANTES	Human	DRN00B	Quantikine
CCL5/RANTES	Mouse, Rat	MMR00	Quantikine
CCL7/MCP-3	Human	DCC700	Quantikine
CCL11/Eotaxin	Human	DTX00	Quantikine
CCL11/Eotaxin	Mouse	MMEOO	Quantikine
CCL12/MCP-5	Mouse	MCC120	Quantikine
CCL17/TARC	Human	DDN00	Quantikine
CCL17/TARC	Mouse	MCC170	Quantikine
CCL18/PARC	Human	DCL180	Quantikine
CCL20/MIP-3α	Human	DM3A00	Quantikine
CCL20/MIP-3α	Mouse	MCC200	Quantikine
CCL22/MDC	Human	DMD00	Quantikine
CCL22/MDC	Mouse	MCC220	Quantikine
CCL24/Eotaxin-2	Human	DCC240B	Quantikine
CCL26/Eotaxin-3	Human	DCC260	Quantikine
CCL27/CTACK	Human	DCC270	Quantikine

CD12 Mouse MC140 Quantikine CD23/Fe epailor RII Human DC2200 Quantikine CD26/JL2 Rα Human DC2200 Quantikine CD40 Upand/TMSF5 Human DC0L00 Quantikine CD40/TMFR8F5 Mouse MCCD40 Quantikine CD417/ckit Human DSCR00 Quantikine CD117/ckit Human DSCR00 Quantikine CD117/ckit Human DCL000 Quantikine CD117/ckit Human DCL000 Quantikine CD117/ckit Human DCL000 Quantikine CD117/ckit Mouse MCUDO Quantikine CNTF Human DY557 Du05et COTACLIT/AC1 Human DY7174 Du05et CReactive Protein Mouse MCRP00 Quantikine CReactive Protein Mouse MCRP00 Quantikine CX011/Frectalkine Mouse MCRP00 Quantikine CX011/Frectalkine Mouse	Molecule	Species	Catalog #	Туре
CD23/Fe apsilon RII Human DC230 Quantikine CD25/LL2 Rix Human DR2A00 Quantikine CD24/LL2 Rix Human DR2A00 Quantikine CD40/TNFRSF5 Human DCCD40 Quantikine CD40/TNFRSF5 Mouse MCCD40 Quantikine CD11/Pokit Human DSCR00 Quantikine CD1633 Human DC4580 Quantikine CD1647 Human DC4580 Quantikine Clusterin Mouse MCLUDO Quantikine CNTF Human DNT00 Quantikine CNTF Human DNT00 Quantikine CNTF Rat DY557 DuoSet Cortacetin 2/TAG1 Human DC7900 Quantikine CNTE Cerebre Protein Muse MCPP00 Quantikine CXSCLL/Fractalkine Human DC310 Quantikine CXSCLL/Fractalkine Muse MCX310 Quantikine CXSCLL/Fractalkine Muse MCX	CD14	Human	DC140	Quantikine
CD25/L-2 Rα Human DR2ADO Quantikine CD40 Ligand/TNFSF5 Human DCD40 Quantikine CD40 Ligand/TNFSF5 Human DCCD40 Quantikine CD40/TNFSFS5 Human DCCD40 Quantikine CD40/TNFSFS5 Musse MCD40 Quantikine CD40/TNFSFS5 Musse MCD40 Quantikine CD1633 Human DC1630 Quantikine CD1633 Human DC1630 Quantikine CD1634 Human DC1630 Quantikine CD1637 Human DC1630 Quantikine CD1637 Human DC100 Quantikine CD17F Human DC100 Quantikine CNTF Human DNTD0 Quantikine CNTF Rat DYSF7 Du56et COntactin-2/TA61 Human DY1724 Du56et CNTF Rat DYSF7 Du56et COntactin-2/TA61 Human DY1724 Du56et CReactive Protein Human DCRPD0 Quantikine CREactive Protein Musse MCRPC0 Quantikine CREactive Protein Musse MCRPC0 Quantikine CX3C11/Fractalkine Musse MCS110 Quantikine CX3C11/Fractalkine Musse MCS110 Quantikine CX3C11/FR60α Human DGR90 Quantikine CX3C11/GR0α Human DGR90 Quantikine CX3C11/GR0α Human DGR90 Quantikine CXC11/GR0α Human DGR90 Quantikine CXC11/GR0α Human DGR90 Quantikine CXC11/GR0α Human DGR90 Quantikine CXC11/GR0α Musse MCS100 Quantikine CXC11/GR0α Rat RCN100 Quantikine CXC11/GR0β Musse MM200 Quantikine CXC11/GR0β Rat RCN200 Quantikine CXC11/GR0β Rat RCN200 Quantikine CXC11/GR0β Rat RCN200 Quantikine CXC11/GR0γ Rat RCN200 Quantikine CXC11/	CD14	Mouse	MC140	Quantikine
CD40 Ligand/TNFSFB Human DCD40 Quantikine C040/TNFRSFS Human DCCD40 Quantikine C041/TNFRSFS Mouse MCD40 Quantikine C011/Yo-kit Human DSCR00 Quantikine C0163 Human DCL000 Quantikine C01647 Human DCL000 Quantikine Clusterin Muse MCL000 Quantikine CNTF Human DNT00 Quantikine CNIF Ret DY657 Du58et Contactin-2/TAG1 Human DY1714 Du58et Contactin-2/TAG1 Human DCR900 Quantikine Cetactive Protein Mouse MCRP00 Quantikine CREactive Protein Muse MCR900 Quantikine CXSCL1/Factalkine Human DCR301 Quantikine CXSCL1/Factalkine Muse MCX310 Quantikine CXCL1/GROu Muse MK2000 Quantikine CXCL1/GROu Muse MK200<	CD23/Fc epsilon RII	Human	DCD230	Quantikine
CD40/TNFRSF5 Human DCCD40 Quantikine CD40/TNFRSF5 Mosse MCCD40 Quantikine CD117/-kit Human DSCR00 Quantikine CD163 Human DC1830 Quantikine Clusterin Human DCLU00 Quantikine Clusterin Mouse MCLU00 Quantikine CNTF Human DNT00 Quantikine CNTF Rat DY557 Du6Set Contactin-2/TAG1 Human DY1714 Du5et C Reactive Protein Human DCRP00 Quantikine C Reactive Protein Muse MCRP00 Quantikine C Reactive Protein Muse MCRP00 Quantikine C Reactive Protein Muse MCR90 Quantikine C Reactive Protein Muse MCR310 Quantikine C Reactive Protein Muse MCR310 Quantikine C Reactive Protein Muse MCR310 Quantikine C Reactive Protein Muse <td>CD25/IL-2 Rα</td> <td>Human</td> <td>DR2A00</td> <td>Quantikine</td>	CD25/IL-2 Rα	Human	DR2A00	Quantikine
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DESCRIPTO Quantikine DESCRIPTO Quanti	CD40/TNFRSF5	Human	DCCD40	Quantikine
CD163	CD40/TNFRSF5	Mouse	MCCD40	Quantikine
Clusterin Human DCLU00 Quantikine Clusterin Mouse MCLU00 Quantikine CNTF Human DNT00 Quantikine CNTE Rat DY557 DuSet Contactin-2/TAG1 Human DY1714 DuoSet Ceneactive Protein Human DCRP00 Quantikine C-Reactive Protein Mouse MCRP00 Quantikine CXSGL1/Factalkine Human DCX310 Quantikine CXSGL1/Factalkine Mouse MCX310 Quantikine CXCL1/GR0α Human DGR30 Quantikine CXCL1/GR0α Mouse MK200B Quantikine CXCL2/GR0β Rat RCN300 Quantikine CXCL2/GR0β Rat RCN300 Quantikine CXCL3/GR0γ Rat RCN300 Quantikine CXCL4/PF4 Human DPF40 Quantikine CXCL5/PF8-A78 Human DX000 Quantikine CXCL5/MIG Human DCX900	CD117/c-kit	Human	DSCR00	Quantikine
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CNTF Human DNTOO Quantikine CNTF R8t DY557 Du05et CNTE R8t DY557 Du05et Contactin-2/TAG1 Human DY5714 Du05et C-Reactive Protein Human DCR900 Quantikine C-Reactive Protein Mouse MCRPO0 Quantikine CXSCL1/Fractalkine Human DCX310 Quantikine CXSCL1/FROQ Human DGR00 Quantikine CXCL1/GROQ Mouse MKC00B Quantikine CXCL2/GROQ Mouse MKC00B Quantikine CXCL2/GROB Rat RCN100 Quantikine CXCL2/GROB Rat RCN1300 Quantikine CXCL3/GROP Rat RCN1200 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL5/GROP 2 Human DK000 Quantikine CXCL6/GP2 3 Human DK000 Quantikine CXCL13/HIG Mouse MCX900 Quanti	Clusterin	Human	DCLU00	Quantikine
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C-Reactive Protein Mouse MCRP00 Quantikine CX3CLL/Fractalkine Human DX310 Quantikine CX3CLL/Fractalkine Mouse MCX310 Quantikine CXCLL/GR0α Human DGR00 Quantikine CXCLL/GR0α Mouse MKC00B Quantikine CXCLL/GR0β Rat RCN100 Quantikine CXCL2/GR0β Rat RCN300 Quantikine CXCL2/GR0β Rat RCN300 Quantikine CXCL3/GR0γ Rat RCN200 Quantikine CXCL4/PF4 Human DPF40 Quantikine CXCL4/PF4 Human DX000 Quantikine CXCL4/PF4 Human DX000 Quantikine CXCL5/ENA-78 Human DX000 Quantikine CXCL6/GCP-2 Human DX000 Quantikine CXCL9/MIG Mouse MCY900 Quantikine CXCL9/MIG Mouse MCY100 Quantikine CXCL10/IP-10 Human DIP100 <td>Contactin-2/TAG1</td> <td>Human</td> <td>DY1714</td> <td>DuoSet</td>	Contactin-2/TAG1	Human	DY1714	DuoSet
CX3CL1/Fractalkine Human DCX310 Quantikine CX3CL1/Fractalkine Mouse MCX10 Quantikine CXCL1/GR0α Human DGR00 Quantikine CXCL1/GR0α Mouse MKC00B Quantikine CXCL1/GR0α Rat RCM100 Quantikine CXCL2/GR0β Mouse MM200 Quantikine CXCL3/GR0γ Rat RCN200 Quantikine CXCL4/PF4 Human DPF40 Quantikine CXCL4/PF4 Human DX000 Quantikine CXCL5/GR0P-2 Human DX000 Quantikine CXCL6/GCP-2 Human D8000C Quantikine CXCL9/MIG Human DX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL12/SDF-1α Human DSA00 Quantikine CXCL12/SDF-1α Human DX110 Quantikine CXCL12/SDF-1α Human	C-Reactive Protein	Human	DCRP00	Quantikine
CX3CL1/Fractalkine Mouse MCX310 Quantikine CXCL1/GR0α Human DGR00 Quantikine CXCL1/GR0α Mouse MKC00B Quantikine CXCL2/GR0β Mouse MM200 Quantikine CXCL2/GR0β Rat RCN300 Quantikine CXCL3/GR0γ Rat RCN200 Quantikine CXCL4/PF4 Human DFF40 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL6/GCP-2 Human DX000 Quantikine CXCL8/HS Human D8000 Quantikine CXCL9/MIG Human DCX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL11/PL0/CRG-2 Mouse MCX100 Quantikine CXCL12/SDF-1α Human DX110 Quantikine CXCL12/SDF-1β Human DX130 </td <td>C-Reactive Protein</td> <td>Mouse</td> <td>MCRP00</td> <td>Quantikine</td>	C-Reactive Protein	Mouse	MCRP00	Quantikine
CXCL1/GROα Human DGRO0 Quantikine CXCL1/GROα Mouse MKC00B Quantikine CXCL1/GROα Rat RCN100 Quantikine CXCL2/GROβ Mouse MM200 Quantikine CXCL2/GROβ Rat RCN200 Quantikine CXCL3/GROγ Rat RCN200 Quantikine CXCL4/PF4 Human DFF40 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL5/ENA78 Human DX000 Quantikine CXCL6/GCP-2 Human D8000C Quantikine CXCL8/MIG Human DX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10 Human DIP100 Quantikine CXCL11/IF10 Human DX900 Quantikine CXCL11/IF1AC Human DX910 Quantikine CXCL11/SDF-1α Mouse MCX100 Quantikine CXCL12/SDF-1α Mouse MCX130 <td< td=""><td>CX3CL1/Fractalkine</td><td>Human</td><td>DCX310</td><td>Quantikine</td></td<>	CX3CL1/Fractalkine	Human	DCX310	Quantikine
CXCL1/GROα Mouse MKCO0B Quantikine CXCL2/GROβ Rat RCN100 Quantikine CXCL2/GROβ Mouse MM200 Quantikine CXCL2/GROβ Rat RCN300 Quantikine CXCL3/GROγ Rat RCN200 Quantikine CXCL4/PF4 Human DPF40 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL5/ENA-78 Human DX000 Quantikine CXCL6/GCP-2 Human D8000C Quantikine CXCL9/MIG Human DX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10 Human DIP100 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL11/SDF-1α Human DSA00 Quantikine CXCL12/SDF-1α Mouse MCX130 Quantikine CXCL13/BLC/BCA-1 Human DX130	CX3CL1/Fractalkine	Mouse	MCX310	Quantikine
CXCL1/GROα Rat RCN100 Quantikine CXCL2/GROβ Mouse MM200 Quantikine CXCL2/GROβ Rat RCN300 Quantikine CXCL3/GROγ Rat RCN200 Quantikine CXCL4/PF4 Human DPF40 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL5/ENA-78 Human DX000 Quantikine CXCL6/CP-2 Human DB6000 Quantikine CXCL8/ILB Human D8000C Quantikine CXCL9/MIG Human DCX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10 Human DIP100 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL11/ISDF-1α Human DSA00 Quantikine CXCL12/SDF-1α Mouse MCX120 Quantikine CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX	CXCL1/GROα	Human	DGR00	Quantikine
CXCL2/GROβ Mouse MM200 Quantikine CXCL2/GROβ Rat RCN300 Quantikine CXCL3/GROγ Rat RCN200 Quantikine CXCL4/PF4 Human DPF40 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL5/ENA-78 Human DX000 Quantikine CXCL8/IL8 Human D8000C Quantikine CXCL9/MIG Human DCX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10 Human DIP100 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL11/IFAC Human DSA00 Quantikine CXCL12/SDF-1α Human DSA00 Quantikine CXCL12/SDF-1α Mouse MCX120 Quantikine CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16 Human DCX160	CXCL1/GROα	Mouse	MKC00B	Quantikine
CXCL2/GROβ Rat RCN300 Quantikine CXCL3/GROγ Rat RCN200 Quantikine CXCL4/PF4 Human DPF40 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL5/ENA-78 Human DX000 Quantikine CXCL6/GCP-2 Human D6000 Quantikine CXCL9/MIG Human DCX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX400 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL13/IF-14 Human DSA00 Quantikine CXCL12/SDF-1α Human DX110 Quantikine CXCL13/BLC/BCA-1 Human DX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL13/BLC/BCA-1 Human DX160 Quantikine CXCL13/BLC/BCA-1 Human DX160 Quantikine CXCL13/BLC/BCA-1 Huma	CXCL1/GROα	Rat	RCN100	Quantikine
CXCL2/GROβ Rat RCN300 Quantikine CXCL3/GROγ Rat RCN200 Quantikine CXCL4/PF4 Human DPF40 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL5/ENA-78 Human DX000 Quantikine CXCL6/GCP-2 Human D6000 Quantikine CXCL9/MIG Human DCX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX400 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL13/IF-14 Human DSA00 Quantikine CXCL12/SDF-1α Human DX110 Quantikine CXCL13/BLC/BCA-1 Human DX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL13/BLC/BCA-1 Human DX160 Quantikine CXCL13/BLC/BCA-1 Human DX160 Quantikine CXCL13/BLC/BCA-1 Huma	CXCL2/GROβ	Mouse	MM200	Quantikine
CXCL3/GROγ Rat RCN200 Quantikine CXCL4/PF4 Human DPF40 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL5/ENA-78 Human DX000 Quantikine CXCL6/GCP-2 Human DGC00 Quantikine CXCL8/IL8 Human DCX900 Quantikine CXCL9/MIG Human DCX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL19/IG Mouse MCX900 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL11/I-TAC Human DCX110 Quantikine CXCL12/SDF-1α Human DSA00 Quantikine CXCL12/SDF-1α Mouse MCX120 Quantikine CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16/BCA-1 Mouse DY165 DuoSet Dkk-1 Human DY165 <td></td> <td>Rat</td> <td>RCN300</td> <td>Quantikine</td>		Rat	RCN300	Quantikine
CXCL4/PF4 Human DPF40 Quantikine CXCL4/PF4 Mouse MCX400 Quantikine CXCL5/ENA-78 Human DX000 Quantikine CXCL6/GCP-2 Human DGC00 Quantikine CXCL9/MIG Human DCX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10 Human DIP100 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL11/I-TAC Human DSA00 Quantikine CXCL12/SDF-1α Human DSA00 Quantikine CXCL12/SDF-1α Mouse MCX120 Quantikine CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16 Human DY1765 DuoSet Dkk-1 Human DY1906 DuoSet Dkk-2 Human DY118 DuoSet Dkk-3 Human DY1269 Duo	CXCL3/GR0γ	Rat	RCN200	Quantikine
CXCL4/PF4 Mouse MCX400 Quantikine CXCL5/ENA-78 Human DX000 Quantikine CXCL6/GCP-2 Human DGC00 Quantikine CXCL8/IL8 Human D8000C Quantikine CXCL9/MIG Human DCX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10 Human DIP100 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL11/FTAC Human DSA00 Quantikine CXCL12/SDF-1α Human DSA00 Quantikine CXCL12/SDF-1α Mouse MCX120 Quantikine CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16 Human DY165 DuoSet Dkk-1 Human DY106 DuoSet Dkk-2 Human DY118 DuoSet Dkk-3 Human DY1269 DuoSe	CXCL4/PF4	Human	DPF40	Quantikine
CXCL6/GCP-2 Human DGC00 Quantikine CXCL8/IL-8 Human D8000C Quantikine CXCL9/MIG Human DCX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10 Human DIP100 Quantikine CXCL12/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL11/I-TAC Human DCX110 Quantikine CXCL12/SDF-1α Human DSA00 Quantikine CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16/B Human DCX160 Quantikine CXCL16 Human DCX160 Quantikine Dkk-1 Human DY1765 DuoSet Dkk-1 Human DY1906 DuoSet Dkk-3 Human DY1118 DuoSet Dkk-4 Human DY943 DuoSet DR6/TNFRSF21 Human DY444 DuoSet	CXCL4/PF4	Mouse	MCX400	Quantikine
CXCL6/GCP-2 Human DGC00 Quantikine CXCL8/IL-8 Human D8000C Quantikine CXCL9/MIG Human DCX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10 Human DIP100 Quantikine CXCL12/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL11/I-TAC Human DCX110 Quantikine CXCL12/SDF-1α Human DSA00 Quantikine CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16/B Human DCX160 Quantikine CXCL16 Human DCX160 Quantikine Dkk-1 Human DY1765 DuoSet Dkk-1 Human DY1906 DuoSet Dkk-3 Human DY1118 DuoSet Dkk-4 Human DY943 DuoSet DR6/TNFRSF21 Human DY444 DuoSet	CXCL5/ENA-78	Human	DX000	Quantikine
CXCL8/IL-8 Human D8000C Quantikine CXCL9/MIG Human DCX900 Quantikine CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10 Human DIP100 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL11/I-TAC Human DCX110 Quantikine CXCL12/SDF-1α Human DSA00 Quantikine CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16 Human DCX160 Quantikine CXCL16 Human DY1765 DuoSet Dkk-1 Human DY1906 DuoSet Dkk-2 Human DY1118 DuoSet Dkk-3 Human DY1269 DuoSet DR3/TNFRSF25 Human DY943 DuoSet DR6/TNFRSF21 Human DY144 DuoSet E-Cadherin Human DCADEO Quantikine	CXCL6/GCP-2	Human	DGC00	Quantikine
CXCL9/MIG Mouse MCX900 Quantikine CXCL10/IP-10 Human DIP100 Quantikine CXCL10/IP-10/CRG-2 Mouse MCX100 Quantikine CXCL11/I-TAC Human DCX110 Quantikine CXCL12/SDF-1α Human DSA00 Quantikine CXCL12/SDF-1α Mouse MCX120 Quantikine CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16 Human DCX160 Quantikine Dkk-1 Mouse DY1765 DuoSet Dkk-1 Human DY1906 DuoSet Dkk-3 Human DY1118 DuoSet DR3/TNFRSF25 Human DY943 DuoSet DR6/TNFRSF21 Human DY144 DuoSet E-Cadherin Human DCADEO Quantikine	CXCL8/IL-8	Human	D8000C	Quantikine
CXCL10/IP-10HumanDIP100QuantikineCXCL10/IP-10/CRG-2MouseMCX100QuantikineCXCL11/I-TACHumanDCX110QuantikineCXCL12/SDF-1αHumanDSA00QuantikineCXCL12/SDF-1αMouseMCX120QuantikineCXCL13/BLC/BCA-1HumanDCX130QuantikineCXCL13/BLC/BCA-1MouseMCX130QuantikineCXCL16HumanDCX160QuantikineDkk-1MouseDY1765DuoSetDkk-1HumanDY1906DuoSetDkk-3HumanDY1118DuoSetDkk-4HumanDY1269DuoSetDR3/TNFRSF25HumanDY943DuoSetDR6/TNFRSF21HumanDY144DuoSetE-CadherinHumanDCADEOQuantikineEGFHumanDEG00Quantikine	CXCL9/MIG	Human	DCX900	Quantikine
CXCL10/IP-10HumanDIP100QuantikineCXCL10/IP-10/CRG-2MouseMCX100QuantikineCXCL11/I-TACHumanDCX110QuantikineCXCL12/SDF-1αHumanDSA00QuantikineCXCL12/SDF-1αMouseMCX120QuantikineCXCL13/BLC/BCA-1HumanDCX130QuantikineCXCL13/BLC/BCA-1MouseMCX130QuantikineCXCL16HumanDCX160QuantikineDkk-1MouseDY1765DuoSetDkk-1HumanDY1906DuoSetDkk-3HumanDY1118DuoSetDkk-4HumanDY1269DuoSetDR3/TNFRSF25HumanDY943DuoSetDR6/TNFRSF21HumanDY144DuoSetE-CadherinHumanDCADEOQuantikineEGFHumanDEG00Quantikine	CXCL9/MIG	Mouse	MCX900	Quantikine
CXCL11/I-TAC Human DCX110 Quantikine CXCL12/SDF-1α Human DSA00 Quantikine CXCL12/SDF-1α Mouse MCX120 Quantikine CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16 Human DCX160 Quantikine Dkk-1 Mouse DY1765 DuoSet Dkk-1 Human DY1906 DuoSet Dkk-3 Human DY1118 DuoSet Dkk-4 Human DY1269 DuoSet DR3/TNFRSF25 Human DY943 DuoSet DR6/TNFRSF21 Human DY144 DuoSet E-Cadherin Human DCADEO Quantikine EGF Human DEGOO Quantikine	CXCL10/IP-10	Human	DIP100	Quantikine
CXCL11/I-TAC Human DCX110 Quantikine CXCL12/SDF-1α Human DSA00 Quantikine CXCL12/SDF-1α Mouse MCX120 Quantikine CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16 Human DCX160 Quantikine Dkk-1 Mouse DY1765 DuoSet Dkk-1 Human DY1906 DuoSet Dkk-3 Human DY1118 DuoSet Dkk-4 Human DY1269 DuoSet DR3/TNFRSF25 Human DY943 DuoSet DR6/TNFRSF21 Human DY144 DuoSet E-Cadherin Human DCADEO Quantikine EGF Human DEGOO Quantikine	CXCL10/IP-10/CRG-2	Mouse	MCX100	Quantikine
CXCL12/SDF-1αMouseMCX120QuantikineCXCL13/BLC/BCA-1HumanDCX130QuantikineCXCL13/BLC/BCA-1MouseMCX130QuantikineCXCL16HumanDCX160QuantikineDkk-1MouseDY1765DuoSetDkk-1HumanDY1906DuoSetDkk-3HumanDY1118DuoSetDkk-4HumanDY1269DuoSetDR3/TNFRSF25HumanDY943DuoSetDR6/TNFRSF21HumanDY144DuoSetE-CadherinHumanDCADE0QuantikineEGFHumanDEG00Quantikine	CXCL11/I-TAC	Human	DCX110	
CXCL13/BLC/BCA-1 Human DCX130 Quantikine CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16 Human DCX160 Quantikine Dkk-1 Dkk-1 Human DY1765 DuoSet DuoSet Dkk-3 Human DY1118 DuoSet Dkk-4 Human DY1269 DuoSet DR3/TNFRSF25 Human DY943 DuoSet DR6/TNFRSF21 Human DY144 DuoSet E-Cadherin Human DCADEO Quantikine Quantikine	CXCL12/SDF-1 α	Human	DSA00	Quantikine
CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16 Human DCX160 Quantikine Dkk-1 Mouse DY1765 DuoSet Dkk-1 Dkk-3 Human DY1906 DuoSet Dkk-4 Human DY1118 DuoSet DR3/TNFRSF25 Human DY943 DuoSet DR6/TNFRSF21 Human DY144 DuoSet E-Cadherin Human DCADEO Quantikine Quantikine	CXCL12/SDF-1 α	Mouse	MCX120	Quantikine
CXCL13/BLC/BCA-1 Mouse MCX130 Quantikine CXCL16 Human DCX160 Quantikine Dkk-1 Mouse DY1765 DuoSet Dkk-1 Dkk-3 Human DY1906 DuoSet Dkk-4 Human DY1118 DuoSet DR3/TNFRSF25 Human DY943 DuoSet DR6/TNFRSF21 Human DY144 DuoSet E-Cadherin Human DCADEO Quantikine Quantikine	CXCL13/BLC/BCA-1	Human	DCX130	Quantikine
CXCL16 Human DCX160 Quantikine Dkk-1 Mouse DY1765 DuoSet Dkk-1 Human DY1906 DuoSet Dkk-3 Human DY1118 DuoSet Dkk-4 Human DY1269 DuoSet DR3/TNFRSF25 Human DY943 DuoSet DR6/TNFRSF21 Human DY144 DuoSet E-Cadherin Human DCADEO Quantikine EGF Human DEGOO Quantikine	CXCL13/BLC/BCA-1			•
Dkk-1MouseDY1765DuoSetDkk-1HumanDY1906DuoSetDkk-3HumanDY1118DuoSetDkk-4HumanDY1269DuoSetDR3/TNFRSF25HumanDY943DuoSetDR6/TNFRSF21HumanDY144DuoSetE-CadherinHumanDCADEOQuantikineEGFHumanDEGOOQuantikine	CXCL16			Quantikine
Dkk-1HumanDY1906DuoSetDkk-3HumanDY1118DuoSetDkk-4HumanDY1269DuoSetDR3/TNFRSF25HumanDY943DuoSetDR6/TNFRSF21HumanDY144DuoSetE-CadherinHumanDCADEOQuantikineEGFHumanDEGOOQuantikine	Dkk-1			
Dkk-3HumanDY1118DuoSetDkk-4HumanDY1269DuoSetDR3/TNFRSF25HumanDY943DuoSetDR6/TNFRSF21HumanDY144DuoSetE-CadherinHumanDCADEOQuantikineEGFHumanDEG00Quantikine	Dkk-1		DY1906	
Dkk-4HumanDY1269DuoSetDR3/TNFRSF25HumanDY943DuoSetDR6/TNFRSF21HumanDY144DuoSetE-CadherinHumanDCADEOQuantikineEGFHumanDEG00Quantikine	Dkk-3	Human		
DR3/TNFRSF25 Human DY943 DuoSet DR6/TNFRSF21 Human DY144 DuoSet E-Cadherin Human DCADEO Quantikine EGF Human DEGOO Quantikine	Dkk-4			
DR6/TNFRSF21 Human DY144 DuoSet E-Cadherin Human DCADEO Quantikine EGF Human DEG00 Quantikine	DR3/TNFRSF25			
E-Cadherin Human DCADEO Quantikine EGF Human DEGOO Quantikine	DR6/TNFRSF21			
EGF Human DEG00 Quantikine	E-Cadherin			
	EGF			•
	EGF			•

Molecule	Species	Catalog #	Туре
EGF R/ErbB1	Human	DEGFR0	Quantikine
Endoglin/CD105	Mouse	MNDG00	Quantikine
Endothelin-1	Multi-Species	DET100	Quantikine
Enolase 2	Human	DENL20	Quantikine
E-Selectin/CD62E	Human	DSLE00	Quantikine
E-Selectin/CD62E	Mouse	MES00	Quantikine
Fas Ligand/TNFSF6	Human	DFL00	Quantikine
Fas Ligand/TNFSF6	Mouse	MFL00	Quantikine
Fas/TNFRSF6/CD95	Human	DFS00	Quantikine
α -Fetoprotein	Mouse	MAFP00	Quantikine
FGF acidic	Human	DFA00B	Quantikine
FGF basic	Human	DFB50	Quantikine
FGF basic	Mouse, Rat	MFB00	Quantikine
FGF-4	Human	DY235	DuoSet
FGF-9	Human	DY273	DuoSet
FGF-19	Human	DF1900	Quantikine
FGF-21	Human	DF2100	Quantikine
FGF-21	Mouse, Rat	MF2100	Quantikine
FGF-23	Human	DY2604	DuoSet
FGF-BP	Human	DY1593	DuoSet
Fibronectin	Human	DFBN10	Quantikine
Gas1	Mouse	DY2644	DuoSet
Gas6	Mouse	MGAS60	Quantikine
GASP-1/WFIKKNRP	Human	DY2070	DuoSet
GASP-2/WFIKKN	Human	DY2136	DuoSet
GDF-5/BMP-14	Mouse	DY853	DuoSet
GDF-8/Myostatin	Multi-Species	DGDF80	Quantikine
GDF-15	Human	DGD150	Quantikine
GDF-15	Mouse, Rat	MGD150	Quantikine
GDNF	Human	DY212	DuoSet
Glypican 3	Human	DGLY30	Quantikine
GM-CSF	Human	DGM00	Quantikine
GM-CSF	Mouse	MGM00	Quantikine
ICAM-1/CD54	Human	DCD540	Quantikine
ICAM-1/CD54	Mouse	MIC100	Quantikine
ICAM-1/CD54	Rat	RIC100	Quantikine
ICAM-1/CD54 (Non Allele-Specific)	Human	DCIM00	Quantikine
IFN-γ	Human	DIF50	Quantikine
IFN-γ	Mouse	MIFOO	Quantikine
IFN-γ	Rat	RIF00	Quantikine
IGFBP-2	Human	DGB200	Quantikine
IGFBP-3	Human	DGB300	Quantikine
IGFBP-3	Mouse	MGB300	Quantikine
IGF-I	Human	DG100	Quantikine
IGF-I	Mouse, Rat	MG100	Quantikine
IGF-I (Free)	Human	DFG100	Quantikine
L-1α/ L-1F1	Human	DLA50	Quantikine

		Species	Catalog #	Туре
		Rat	RRA00	Quantikine
IL-1β/IL-1F2 Rat RLBOO Quantikine IL-1β/IL-1F2 (Proform) Human DLBPOO Quantikine IL-1π/IL-1F3 Human DRBOOB Quantikine IL-1π/IL-1F3 Mouse MRAOO Quantikine IL-2 Human D2055 Quantikine IL-2 Mouse M2000 Quantikine IL-2 Mouse M2000 Quantikine IL-3 Human D3000 Quantikine IL-3 Human D3000 Quantikine IL-4 Human D4050 Quantikine IL-4 Mouse M4000B Quantikine IL-4 Mouse M4000B Quantikine IL-4 Mouse M4000B Quantikine IL-5 Mouse M5000 Quantikine IL-6 Muman D5000B Quantikine IL-6 Muman D6050 Quantikine IL-6 Muman D6050 Quantikine IL-6 <t< td=""><td></td><td>Human</td><td>DLB50</td><td>Quantikine</td></t<>		Human	DLB50	Quantikine
Li 1 Li 1		Mouse	MLB00C	Quantikine
IL-1 RII Human DR1800 Quantikine IL-1 rg/IL-173 Human DRA00B Quantikine IL-1 rg/IL-173 Mouse MRA00 Quantikine IL-2 Human D2050 Quantikine IL-2 Rat R2000 Quantikine IL-2 Rat R2000 Quantikine IL-3 Human D3000 Quantikine IL-3 Mouse M3000 Quantikine IL-4 Human D4050 Quantikine IL-4 Human D4050 Quantikine IL-4 Ret R4000 Quantikine IL-4 Ret R4000 Quantikine IL-5 Muman D5000B Quantikine IL-6 Ret R4000 Quantikine IL-6 Human D6000B Quantikine IL-6 Human D8600 Quantikine IL-6 Human D8600 Quantikine IL-6 Human D100		Rat	RLB00	Quantikine
IL-1ra/IL-1F3 Human DRA00B Quantikine IL-1ra/IL-1F3 Mouse MRA00 Quantikine IL-2 Human D2050 Quantikine IL-2 Mouse M2000 Quantikine IL-2 Rat R2000 Quantikine IL-3 Human D3000 Quantikine IL-3 Mouse M3000 Quantikine IL-4 Human D4050 Quantikine IL-4 Mouse M40008 Quantikine IL-4 Rat R4000 Quantikine IL-5 Human D5000B Quantikine IL-5 Human D6000 Quantikine IL-6 Human D6000 Quantikine IL-6 Mouse M60008 Quantikine IL-6 Rα Human D1000 Quantikine IL-10 Human D1000 Quantikine IL-10 Human D1000 Quantikine IL-12 P70 Human	form)	Pro form) Human	DLBP00	Quantikine
		Human	DR1B00	Quantikine
IL-2 Human D2050 Quantikine IL-2 Mouse M2000 Quantikine IL-2 Rat R2000 Quantikine IL-3 Human D3000 Quantikine IL-3 Mouse M3000 Quantikine IL-4 Human D4050 Quantikine IL-4 Mouse M40008 Quantikine IL-4 Rat R4000 Quantikine IL-5 Human D50008 Quantikine IL-5 Human D6050 Quantikine IL-6 Human D6050 Quantikine IL-6 Human D6050 Quantikine IL-6 Rat R60008 Quantikine IL-6 Rα Human D7000 Quantikine IL-10 Mouse M7000 Quantikine IL-10 Human D10008 Quantikine IL-11 Human D1100 Quantikine IL-12 p70 Human D1200		Human	DRA00B	Quantikine
IL-2 Mouse M2000 Quantikine IL-2 Rat R2000 Quantikine IL-3 Human D3000 Quantikine IL-3 Mouse M3000 Quantikine IL-4 Human D4050 Quantikine IL-4 Mouse M4000B Quantikine IL-4 Human D5000B Quantikine IL-5 Human D5000B Quantikine IL-6 Human D6050 Quantikine IL-6 Human D6050 Quantikine IL-6 Human D600B Quantikine IL-6 Rat 6600B Quantikine IL-6 Rat 6600B Quantikine IL-6 Rat 6600B Quantikine IL-6 Muman D1000B Quantikine IL-6 Muman D1000B Quantikine IL-10 Human D1000B Quantikine IL-12 p7C Muman D1200		Mouse	MRA00	Quantikine
IL-2 Rat R2000 Quantikine IL-3 Human 30000 Quantikine IL-3 Mouse M3000 Quantikine IL-4 Human 24050 Quantikine IL-4 Mouse M4000B Quantikine IL-5 Human 5000B Quantikine IL-5 Human 5000B Quantikine IL-6 Human 60500 Quantikine IL-6 Human 60600 Quantikine IL-6 Human 6000B Quantikine IL-6 Rat 8000B Quantikine IL-6 Rat 8000B Quantikine IL-6 Rat M000B Quantikine IL-6 Muse M7000 Quantikine IL-10 Human 10100B Quantikine IL-12 pro Human 11200 Quantikine IL-12 pro Human 11200 Quantikine IL-12 pro Mouse M220		Human	D2050	Quantikine
IL-3 Human D3000 Quantikine IL-3 Mouse M3000 Quantikine IL-4 Human D4050 Quantikine IL-4 Mouse M40008 Quantikine IL-4 Rat R4000 Quantikine IL-5 Human D5000B Quantikine IL-5 Human D6050 Quantikine IL-6 Human D6050 Quantikine IL-6 Mouse M6000B Quantikine IL-6 Rat R6000B Quantikine IL-6 Rα Human D7000 Quantikine IL-6 Rα Human D1000B Quantikine IL-10 Mouse M7000 Quantikine IL-10 Mouse M1000B Quantikine IL-12 p70 Human D1000 Quantikine IL-12 p70 Human D1200 Quantikine IL-12/L23 p40 (Non Allele Specific) Mouse M220 Quantikine IL-13 Ru-2		Mouse	M2000	Quantikine
IL-3 Mouse M3000 Quantikine IL-4 Human D4050 Quantikine IL-4 Mouse M4000B Quantikine IL-4 Rat R4000 Quantikine IL-5 Human D5000B Quantikine IL-5 Human D6050 Quantikine IL-6 Human D6050 Quantikine IL-6 Human D6050 Quantikine IL-6 Rat R6000B Quantikine IL-6 Rat R6000B Quantikine IL-6 Rat R6000B Quantikine IL-6 Rat R6000B Quantikine IL-7 Mouse MR600 Quantikine IL-10 Human D1000B Quantikine IL-11 Human D1000B Quantikine IL-12 pro Mouse M1270 Quantikine IL-12 pro Mouse M1270 Quantikine IL-12 pro Muman D1200 </td <td></td> <td>Rat</td> <td>R2000</td> <td>Quantikine</td>		Rat	R2000	Quantikine
IL-4 Human D4050 Quantikine IL-4 Mouse M4000B Quantikine IL-4 Rat R4000 Quantikine IL-5 Human D5000B Quantikine IL-6 Mouse M5000 Quantikine IL-6 Human D6050 Quantikine IL-6 Rat R6000B Quantikine IL-6 Ra Human D6000 Quantikine IL-6 Ra Mouse M6000B Quantikine IL-10 Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Human D1000B Quantikine IL-10 Rat R1000 Quantikine IL-11 Human D1100 Quantikine IL-12 p70 Human D1100 Quantikine IL-12 p70 Mouse M270 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse M240 Quantikine IL-13		Human	D3000	Quantikine
IL-4 Mouse M4000B Quantikine IL-4 Rat R4000 Quantikine IL-5 Human D5000B Quantikine IL-6 Mouse M5000 Quantikine IL-6 Human D6050 Quantikine IL-6 Mouse M6000B Quantikine IL-6 Rat R6000B Quantikine IL-6 Rα Human DR600 Quantikine IL-6 Rα Mouse M7000 Quantikine IL-7 Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Rat R1000 Quantikine IL-11 Human D1000B Quantikine IL-12 p70 Human D1200 Quantikine IL-12 p70 Mouse M1240 Quantikine IL-12/I-23 p40 (Allele-Specific) Mouse M1240 Quantikine IL-12/I-23 p40 (Non Allele-Specific) Human D1300B Quantikine		Mouse	M3000	Quantikine
IL-4 Rat R4000 Quantikine IL-5 Human D5000B Quantikine IL-5 Mouse M5000 Quantikine IL-6 Human D6050 Quantikine IL-6 Human D6050 Quantikine IL-6 Rat R6000B Quantikine IL-6 Rat R6000B Quantikine IL-6 Human DR600 Quantikine IL-7 Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Human D1000B Quantikine IL-11 Human D1100 Quantikine IL-12 p70 Human D1200 Quantikine IL-12 p70 Mouse M1200 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse M1240 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse M7400 Quantikine IL-13 Human D1300B Quantikine		Human	D4050	Quantikine
IL-5 Human D5000B Quantikine IL-5 Mouse M5000 Quantikine IL-6 Human D6050 Quantikine IL-6 Mouse M6000B Quantikine IL-6 Rat R6000B Quantikine IL-6 Rα Human DR600 Quantikine IL-7 Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Human D1000B Quantikine IL-11 Human D1100 Quantikine IL-12 P70 Human D1200 Quantikine IL-12 P70 Human D1200 Quantikine IL-12/IL-23 p40 (Mon Allele-Specific) Mouse M1270 Quantikine IL-12/IL-23 p40 (Mon Allele-Specific) Mouse M7400 Quantikine IL-13 Human D400 Quantikine IL-13 Human D400 Quantikine IL-14/IL-23 p40 (Mon Allele-Specific) Mouse M1300CB		Mouse	M4000B	Quantikine
IL-5 Mouse M5000 Quantikine IL-6 Human D6050 Quantikine IL-6 Mouse M6000B Quantikine IL-6 Rat R6000B Quantikine IL-6 Rα Human DR600 Quantikine IL-6 Rα Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Human D1000B Quantikine IL-11 Human D1000B Quantikine IL-12 γ10 Mouse M1000B Quantikine IL-12 γ10 Human D1100 Quantikine IL-12 γ10 Mouse M1270 Quantikine IL-12 γ10 Mouse M1270 Quantikine IL-12 γ1-12-3 γ40 (Non Allele-Specific) Mouse M1240 Quantikine IL-13 γ1-12-3 γ40 (Non Allele-Specific) Mouse M1200B Quantikine IL-13 γ1-12-3 γ40 (Non Allele-Specific) Mouse M1300B Quantikine IL-13 γ1-12-3 γ10 Mouse </td <td></td> <td>Rat</td> <td>R4000</td> <td>Quantikine</td>		Rat	R4000	Quantikine
IL-6 Human D6050 Quantikine IL-6 Mouse M6000B Quantikine IL-6 Rat R6000B Quantikine IL-6 Rα Human DR600 Quantikine IL-6 Rα Mouse M7000 Quantikine IL-7 Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Human D1000B Quantikine IL-11 Human D1100 Quantikine IL-12 P70 Human D1200 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M1270 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse MP400 Quantikine IL-13 Human D1300B Quantikine IL-13 Human D1300B Quantikine IL-13 Human D1300B Quantikine IL-13 Human D1500 Quantikine IL-14 Human D1500 Quantikine		Human	D5000B	Quantikine
IL-6 Mouse M6000B Quantikine IL-6 Rat R6000B Quantikine IL-6 Rα Human DR600 Quantikine IL-6 Rα Mouse MR600 Quantikine IL-7 Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Human D1000B Quantikine IL-11 Human D1100 Quantikine IL-12 P70 Human D1200 Quantikine IL-12 P70 Mouse M1270 Quantikine IL-12/IL-23 P40 (Alele-Specific) Mouse M1240 Quantikine IL-12/IL-23 P40 (Non Allele-Specific) Mouse MP400 Quantikine IL-12/IL-23 P40 (Non Allele-Specific) Mouse M1200 Quantikine IL-13/IL-23 P40 (Non Allele-Specific) Mouse M1200 Quantikine IL-13/IL-23 P40 (Non Allele-Specific) Human D1300B Quantikine IL-13/IL-13 P40 (Non Allele-Specific) Mouse M13RA2 Quantikine <td></td> <td>Mouse</td> <td>M5000</td> <td>Quantikine</td>		Mouse	M5000	Quantikine
IL-6 Rat R6000B Quantikine IL-6 Rα Human DR600 Quantikine IL-6 Rα Mouse MR600 Quantikine IL-7 Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Mouse M1000B Quantikine IL-11 Human D1100 Quantikine IL-12 p70 Human D1200 Quantikine IL-12 p70 Mouse M270 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M270 Quantikine IL-13/IL-23 p40 (Non Allele-Specific) Mouse M240 Quantikine IL-13 ana Human D1300B Quantikine IL-13 ana Mouse M1300CB Quantikine IL-15 h Human D1500 Quantikine IL-17 L-17A Human D1600 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M1700		Human	D6050	Quantikine
IL 6 Rα Human DR600 Quantikine IL-6 Rα Mouse MR600 Quantikine IL-7 Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Mouse M1000B Quantikine IL-11 Human D1000 Quantikine IL-12 p70 Human D1200 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M270 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse M240 Quantikine IL-13 Ra Human D1300B Quantikine IL-13 Ra Human D1300B Quantikine IL-13 Ra Human D1300B Quantikine IL-13 Ra Mouse M1300CB Quantikine IL-15 Human D1500 Quantikine IL-17 H-17A Human D1700 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M17AFO		Mouse	M6000B	Quantikine
IL-6 Rα Mouse MR600 Quantikine IL-7 Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Mouse M1000B Quantikine IL-10 Rat R1000 Quantikine IL-11 Human D1100 Quantikine IL-12 p70 Human D1200 Quantikine IL-12 p70 Mouse M1270 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M240 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse MP400 Quantikine IL-13 Human DP400 Quantikine IL-13 Human D1300B Quantikine IL-13 Mouse M1300B Quantikine IL-13 Ra2 Mouse M1300B Quantikine IL-15 Human D1500 Quantikine IL-16 Human D1500 Quantikine IL-17/IL-17A Human D1700 Quantikine		Rat	R6000B	Quantikine
IL-7 Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Mouse M1000B Quantikine IL-10 Rat R1000 Quantikine IL-11 Human D1100 Quantikine IL-12 p70 Human D1200 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M1240 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse MP400 Quantikine IL-12/IL-23 p40 Homodimer Human D1300B Quantikine IL-13 Mouse M1300CB Quantikine IL-13 Ra2 Mouse M13RA2 Quantikine IL-15 Human D1500 Quantikine IL-16 Human D1600 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M17AFO Quantikine IL-17/IL-17A Human D1900 Quantikine IL-17/IL-17A Human D1900		Human	DR600	Quantikine
IL-7 Mouse M7000 Quantikine IL-10 Human D1000B Quantikine IL-10 Mouse M1000B Quantikine IL-10 Rat R1000 Quantikine IL-11 Human D1100 Quantikine IL-12 p70 Human D1200 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M1240 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse MP400 Quantikine IL-12/IL-23 p40 Homodimer Human D1300B Quantikine IL-13 Human D1300B Quantikine IL-13 Ru2 Mouse M1300CB Quantikine IL-13 Ru2 Human D1500 Quantikine IL-15 Human D1600 Quantikine IL-16 Human D1700 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M17AFQ Quantikine IL-17/IL-17A Mouse M17A		Mouse	MR600	Quantikine
IL-10 Mouse M1000B Quantikine IL-10 Rat R1000 Quantikine IL-11 Human D1100 Quantikine IL-12 p70 Human D1200 Quantikine IL-12 p70 Mouse M1270 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M1240 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse MP400 Quantikine IL-13 Human D1300B Quantikine IL-13 Na2 Mouse M1300CB Quantikine IL-13 Ra2 Mouse M13RA2 Quantikine IL-15 Human D1500 Quantikine IL-16 Human D1500 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M1700 Quantikine IL-18 BPa Human DBP180 Quantikine IL-18 BPa Human D1900 Quantikine IL-19 Human D1900 Quantikine		Mouse	M7000	
IL-10 Rat R1000 Quantikine IL-11 Human D1100 Quantikine IL-12 p70 Human D1200 Quantikine IL-12 p70 Mouse M1270 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M1240 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse MP400 Quantikine IL-12/IL-23 p40 Homodimer Human D1300B Quantikine IL-13 Human D1300CB Quantikine IL-13 Rα2 Mouse M13RA2 Quantikine IL-15 Human D1500 Quantikine IL-16 Human D1700 Quantikine IL-17/IL-17A Human M1700 Quantikine IL-17/IL-17A Mouse M17AFO Quantikine IL-18 BPa Human DBP180 Quantikine IL-18 BPa Human D1900 Quantikine IL-19 Human D1900 Quantikine		Human	D1000B	Quantikine
IL-11 Human D1100 Quantikine IL-12 p70 Human D1200 Quantikine IL-12 p70 Mouse M1270 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M1240 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse MP400 Quantikine IL-12/IL-23 p40 Homodimer Human DP400 Quantikine IL-13 Human D1300B Quantikine IL-13 Rα2 Mouse M1300CB Quantikine IL-15 Human D1500 Quantikine IL-16 Human D1600 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M17AF0 Quantikine IL-18 BPa Human DBP180 Quantikine IL-18 BPa Human D1900 Quantikine IL-19 Human D1200 Quantikine		Mouse	M1000B	Quantikine
IL-11 Human D1100 Quantikine IL-12 p70 Human D1200 Quantikine IL-12 p70 Mouse M1270 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M1240 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse MP400 Quantikine IL-12/IL-23 p40 Homodimer Human DP400 Quantikine IL-13 Human D1300B Quantikine IL-13 Rα2 Mouse M1300CB Quantikine IL-15 Human D1500 Quantikine IL-16 Human D1600 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M17AFO Quantikine IL-18 BPa Human DBP180 Quantikine IL-18 BPa Human D1900 Quantikine IL-19 Human D1900 Quantikine		Rat	R1000	
IL-12 p70 Mouse M1270 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M1240 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse MP400 Quantikine IL-12/IL-23 p40 Homodimer Human DP400 Quantikine IL-13 Human D1300B Quantikine IL-13 Rα2 Mouse M1300CB Quantikine IL-15 Human D1500 Quantikine IL-16 Human D1600 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M1700 Quantikine IL-18 BPa Human DBP180 Quantikine IL-18 BPa Human D1900 Quantikine IL-20 Human DL200 Quantikine		Human	D1100	Quantikine
IL-12 p70 Mouse M1270 Quantikine IL-12/IL-23 p40 (Allele-Specific) Mouse M1240 Quantikine IL-12/IL-23 p40 (Non Allele-Specific) Mouse MP400 Quantikine IL-12/IL-23 p40 Homodimer Human DP400 Quantikine IL-13 Human D1300B Quantikine IL-13 Rα2 Mouse M1300CB Quantikine IL-15 Human D1500 Quantikine IL-16 Human D1600 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M1700 Quantikine IL-18 BPa Human DBP180 Quantikine IL-18 BPa Human D1900 Quantikine IL-20 Human DL200 Quantikine		Human	D1200	Quantikine
IL-12/IL-23 p40 (Non Allele-Specific)MouseMP400QuantikineIL-12/IL-23 p40 HomodimerHumanDP400QuantikineIL-13HumanD1300BQuantikineIL-13MouseM1300CBQuantikineIL-13 Rα2MouseM13RA2QuantikineIL-15HumanD1500QuantikineIL-16HumanD1600QuantikineIL-17/IL-17AHumanD1700QuantikineIL-17/IL-17AMouseM1700QuantikineIL-18 BPaHumanDBP180QuantikineIL-18 BPaHumanD1900QuantikineIL-19HumanD1900QuantikineIL-20HumanDL200Quantikine		Mouse	M1270	Quantikine
IL-12/IL-23 p40 HomodimerHumanDP400QuantikineIL-13HumanD1300BQuantikineIL-13MouseM1300CBQuantikineIL-13 Rα2MouseM13RA2QuantikineIL-15HumanD1500QuantikineIL-16HumanD1600QuantikineIL-17/IL-17AHumanD1700QuantikineIL-17/IL-17AMouseM1700QuantikineIL-17/A/F HeterodimerMouseM17AFOQuantikineIL-18 BPaHumanDBP180QuantikineIL-19HumanD1900QuantikineIL-20HumanDL200Quantikine	Allele-Specific)	40 (Allele-Specific) Mouse	M1240	Quantikine
IL-13 Human D1300B Quantikine IL-13 Rα2 Mouse M1300CB Quantikine IL-13 Rα2 Mouse M13RA2 Quantikine IL-15 Human D1500 Quantikine IL-16 Human D1600 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/JF-17A Mouse M1700 Quantikine IL-18 BPa Human DBP180 Quantikine IL-19 Human D1900 Quantikine IL-20 Human DL200 Quantikine	Non Allele-Specific)	40 (Non Allele-Specific) Mouse	MP400	Quantikine
IL-13MouseM1300CBQuantikineIL-13 Rα2MouseM13RA2QuantikineIL-15HumanD1500QuantikineIL-16HumanD1600QuantikineIL-17/IL-17AHumanD1700QuantikineIL-17/IL-17AMouseM1700QuantikineIL-17A/F HeterodimerMouseM17AFOQuantikineIL-18 BPaHumanDBP180QuantikineIL-19HumanD1900QuantikineIL-20HumanDL200Quantikine	Homodimer	40 Homodimer Human	DP400	Quantikine
IL-13 Rα2 Mouse M13RA2 Quantikine IL-15 Human D1500 Quantikine IL-16 Human D1600 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M1700 Quantikine IL-17A/F Heterodimer Mouse M17AFO Quantikine IL-18 BPa Human DBP180 Quantikine IL-19 Human D1900 Quantikine IL-20 Human DL200 Quantikine		Human	D1300B	Quantikine
IL-15 Human D1500 Quantikine IL-16 Human D1600 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M1700 Quantikine IL-17A/F Heterodimer Mouse M17AFO Quantikine IL-18 BPa Human DBP180 Quantikine IL-19 Human D1900 Quantikine IL-20 Human DL200 Quantikine		Mouse	M1300CB	Quantikine
IL-16 Human D1600 Quantikine IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M1700 Quantikine IL-17A/F Heterodimer Mouse M17AF0 Quantikine IL-18 BPa Human DBP180 Quantikine IL-19 Human D1900 Quantikine IL-20 Human DL200 Quantikine		Mouse	M13RA2	Quantikine
IL-17/IL-17A Human D1700 Quantikine IL-17/IL-17A Mouse M1700 Quantikine IL-17A/F Heterodimer Mouse M17AF0 Quantikine IL-18 BPa Human DBP180 Quantikine IL-19 Human D1900 Quantikine IL-20 Human DL200 Quantikine		Human	D1500	Quantikine
IL-17/IL-17AMouseM1700QuantikineIL-17A/F HeterodimerMouseM17AF0QuantikineIL-18 BPaHumanDBP180QuantikineIL-19HumanD1900QuantikineIL-20HumanDL200Quantikine		Human	D1600	Quantikine
IL-17/IL-17AMouseM1700QuantikineIL-17A/F HeterodimerMouseM17AFOQuantikineIL-18 BPaHumanDBP180QuantikineIL-19HumanD1900QuantikineIL-20HumanDL200Quantikine			D1700	Quantikine
IL-18 BPaHumanDBP180QuantikineIL-19HumanD1900QuantikineIL-20HumanDL200Quantikine		Mouse	M1700	Quantikine
IL-18 BPaHumanDBP180QuantikineIL-19HumanD1900QuantikineIL-20HumanDL200Quantikine	imer	rodimer Mouse	M17AFO	Quantikine
IL-19 Human D1900 Quantikine IL-20 Human DL200 Quantikine				
IL-20 Human DL200 Quantikine				•
IL-22 Human D2200 Quantikine				•
IL-22 Mouse, Rat M2200 Quantikine				
IL-23 Human D2300B Quantikine				•
IL-23 Mouse M2300 Quantikine				

L-27 p28/IL-30 L-33 L-34 L-34 KGF/FGF-7 LAP (TGF-β1) M-CSF	Mouse Human Mouse, Rat Human	M2728 D3300 M3300	Quantikine Quantikine Quantikine
L-33 L-34 L-34 KGF/FGF-7 _AP (TGF-β1)	Mouse, Rat Human	M3300	•
L-34 L-34 (GF/FGF-7 _AP (TGF-β1)	Human		Quantiking
L-34 KGF/FGF-7 _AP (TGF-β1)			Qualitikiiie
(GF/FGF-7 .AP (TGF-β1)		D3400	Quantikine
AP (TGF-β1)	Mouse	M3400	Quantikine
	Human	DKG00	Quantikine
A CSE	Human	DLAP00	Quantikine
71-031	Human	DMC00B	Quantikine
M-CSF	Mouse	MMC00	Quantikine
Meteorin	Mouse	DY3475	DuoSet
Meteorin-like/METRNL	Mouse	DY6679	DuoSet
MMP-2 (Total)	Human, Mouse, Rat, Porcine, Canine	MMP200	Quantikine
MMP-3 (Total)	Human	DMP300	Quantikine
MMP-3 (Total)	Mouse	MMP300	Quantikine
MMP-7 (Total)	Human	DMP700	Quantikine
MMP-8 (Total)	Human	DMP800	Quantikine
MMP-9 (Total)	Human	DMP900	Quantikine
MMP-9 (Total)	Mouse	MMPT90	Quantikine
MMP-9 (Total)	Rat	RMP900	Quantikine
MMP-9/Lipocalin-2 Complex	Human	DM9L20	Quantikine
MSP/MST1	Mouse	MMSP0	Quantikine
Myeloperoxidase	Human	DMYE00B	Quantikine
Myeloperoxidase	Mouse	DY3667	DuoSet
NCAM-1/CD56	Human	DY2408	DuoSet
Nectin-4	Human	DNEC40	Quantikine
Neprilysin/CD10	Mouse	DY1126	DuoSet
Neprilysin/CD10	Human	DY1182	DuoSet
Neuregulin-1 β1	Human	DY377	DuoSet
Neuropilin-1	Human	DNRP10	Quantikine
3-NGF	Human	DY256	DuoSet
3-NGF	Rat	DY556	DuoSet
NGF R/TNFRSF16	Mouse	DY1157	DuoSet
NGF R/TNFRSF16	Human	DY367	DuoSet
NT-3	Human	DY267	DuoSet
NT-4	Human	DY268	DuoSet
Park7/DJ-1	Human	DY3995	DuoSet
Park7/DJ-1	Mouse	DY8136	DuoSet
PDGF-AA	Human, Mouse	DAAOOB	Quantikine
PDGF-AA	Human	DY221	DuoSet
PDGF-AB	Human	DHD00C	Quantikine
PDGF-AB	Human	DY222	DuoSet
PDGF-AB	Mouse, Rat	MHD00	Quantikine
PDGF-BB	Human	DBB00	Quantikine
PDGF-BB	Mouse, Rat	MBB00	Quantikine
PDGF-CC	Human	DCC00	Quantikine
PDGF-DD	Human	DDD00	Quantikine
2	Mouse	MPTX20	Quantikine
Pentraxin 2		DPTX30	

Molecule	Species	Catalog #	Туре
Pentraxin 3	Mouse	MPTX30	Quantikine
Persephin	Human	DY2388	DuoSet
Presenilin-1 (N-Terminal)	Human	DY149	DuoSet
Progranulin	Human	DPGRNO	Quantikine
Progranulin	Mouse	DY2557	DuoSet
RAGE	Human	DRG00	Quantikine
RAGE	Rat	DY1616	DuoSet
RAGE	Mouse	MRG00	Quantikine
Resistin	Human	DRSN00	Quantikine
RGM-A	Mouse, Rat	MRGMAO	Quantikine
RGM-B	Human	DY3630	DuoSet
ROB01	Rat	DY1749	DuoSet
ROBO3	Human	DY3076	DuoSet
R-Spondin 1	Human	DY4645	DuoSet
R-Spondin 3	Human	DY3500	DuoSet
R-Spondin 4	Human	DY4575	DuoSet
SCF/c-kit Ligand	Human	DCK00	Quantikine
SCF/c-kit Ligand	Mouse	MCK00	Quantikine
Semaphorin 3E	Human	DY3239	DuoSet
Serpin E1/PAI-1	Human	DTSE100	Quantikine
Sonic Hedgehog	Mouse	DY461	DuoSet
Sonic Hedgehog (N-Terminus)	Mouse	MSHH00	Quantikine
SP-D	Mouse	MSFPD0	Quantikine
Survivin	Human	DSV00	Quantikine
TACE/ADAM17	Human	DY930	DuoSet
TFPI	Human	DTFP10	Quantikine
TGF- α	Human	DTGA00	Quantikine
TGF-β1	Human	DB100B	Quantikine
TGF-β1	Mouse, Rat, Porcine, Canine	MB100B	Quantikine
TGF-β2	Human	DB250	Quantikine
TGF-β2	Mouse, Rat, Porcine, Canine	MB200	Quantikine
Tie-1	Human	DY5907	DuoSet
Tie-2	Human	DTE200	Quantikine
TNF RI/TNFRSF1A	Human	DRT100	Quantikine
TNF RI/TNFRSF1A	Mouse, Rat	MRT10	Quantikine
TNF RII/TNFRSF1B	Human	DRT200	Quantikine
TNF RII/TNFRSF1B	Mouse, Rat	MRT20	Quantikine
TNF-α	Human	DTAOOC	Quantikine
TNF-α	Rat	RTA00	Quantikine
TRAIL/TNFSF10	Human	DTRL00	Quantikine
Ubiquitin+1	Human	DY703	DuoSet
VCAM-1/CD106	Human	DVC00	Quantikine
VCAM-1/CD106	Mouse	MVC00	Quantikine
VEGF	Human	DVE00	Quantikine
VEGF	Mouse	MMV00	Quantikine
VEGF	Rat	RRV00	Quantikine
\/=0=0	Human	DVEC00	Quantikine
VEGF-C	Human	DVLCCC	Quartimire

MULTIANALYTE TESTING

Proteome Profiler™ Antibody Arrays

R&D Systems Proteome Profiler Antibody Arrays are highly efficient, qualitative tools that utilize a simple two-site sandwich assay principle to detect the presence of multiple analytes in a single sample.

Cost-Effective Screening Method

• Each array offers a quick and inexpensive analysis of many analytes simultaneously, in less time than it takes to perform a Western blot.

No Specialized Equipment Needed

• They are designed to utilize the same data collection equipment used for Western blots.

Wide Selection

Choose from over 25 arrays for the detection of both intracellular and extracellular factors from a broad variety
of sample types.

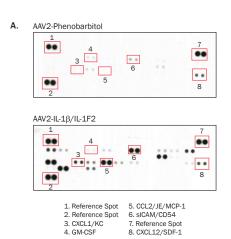
User-Friendly Design

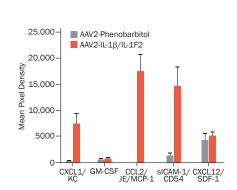
 Each array is stamped with an identification number for easy record keeping and contains reference spots in three corners for orientation purposes.

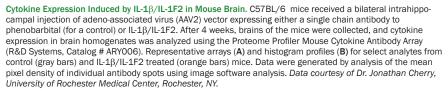
Multiple Detection Methods Available

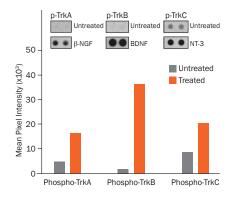
Arrays can utilize either chemiluminescence or LI-COR® infrared fluorescence detection.*

B.









Neurotrophin-Induced Receptor Tyrosine Kinase Phosphorylation. The C6 rat glial cell line was transfected with human TrkA, TrkB, or TrkC. Cells were untreated (gray bars) or treated (orange bars) with Recombinant Human β-NGF (Catalog # 256-GF), Recombinant Human/Mouse/Rat/Canine/ Equine BDNF (Catalog # 248-BD), or Recombinant Human NT-3 (Catalog # 267-N3) for 5 minutes. Cell lysates were assessed for the relative levels of phosphorylation of TrkA, TrkB, TrkC, and nine other receptor tyrosine kinases (RTKs) using the Proteome Profiler Human Phospho-RTK Array Kit (Catalog # ARY001B). Representative images of the pre-spotted nitrocellulose membranes are shown following chemiluminescent detection (inset). All cited reagents are from R&D Systems.

*Select arrays only.

Luminex® Screening Assays

R&D Systems Luminex Screening Assays are designed to maximize multiplexing capacity and flexibility while maintaining assay specificity.

Most Flexible

- Choose from over 214 analytes.
- · All analytes are available in either the polystyrene or magnetic microparticle format.

Largest Luminex Multiplex Selection Available

• These screening assays allow you to maximize the use of your samples by simultaneously analyzing up to 100 analytes.

Unique Analytes Offered

Nearly 30% of our portfolio of analytes are unique to us.

Luminex Performance Assays

R&D Systems Luminex Performance Assays are designed to maximize assay accuracy and precision while preserving the benefits of multiplexing.

Most Accurate

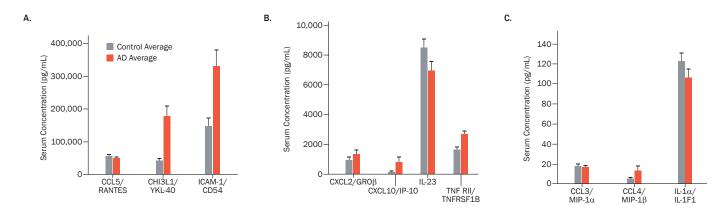
Panel development and validation testing for these assays are similar to our gold-standard Quantikine ELISA Assays.

Flexible

Select panels are available in either the polystyrene or magnetic microparticle format.

Customizable to Fit Your Needs

• Users can choose their analytes of interest from established panels and select "premixed" or "end-user mixed" options.



Detection of Neuroinflammation and Alzheimer's Disease Biomarkers in Human Serum. The Human Luminex Screening Assay (R&D Systems, Catalog # LXSAH) was used to measure 31 markers of neuroinflammation and Alzheimer's disease (AD) pathology in human serum samples. Samples were collected from individuals with AD (orange bars; N=20) and from apparently healthy individuals (gray bars; N=20); no medical histories were available. Histogram profiles for select analytes measured at high (A), moderate (B), and low (C) expression levels.

PROTEOME PROFILER ANTIBODY ARRAYS

Products	Description	Catalog #	Size
Human Angiogenesis Array Kit	Contains 4 membranes - each spotted in duplicate with	ARY007	1 Kit
	55 different angiogenesis antibodies		

Activin A, ADAMTS1, Angiogenin, Angiopoietin-1, Angiopoietin-2, Angiostatin/Plasminogen, Amphiregulin, Artemin, CCL2/MCP-1, CCL3/MIP- 1α , Coagulation Factor III/Tissue Factor, CXCL4/PF4, CXCL8/IL-8, CXCL16, DPPIV/CD26, EGF, EG-VEGF/PK1, Endoglin/CD105, Endostatin, Endothelin-1, FGF acidic, FGF basic, FGF-4, GDNF, GM-CSF, HB-EGF, HGF, IGFBP-1, IGFBP-2, IGFBP-3, IL-1 β /IL-1F2, KGF/FGF-7, LAP (TGF- β 1), Leptin, MMP-8, MMP-9, NRG1- β 1/HRG1- β 1, Pentraxin 3/TSG-14, PD-ECGF/Thymidine Phosphorylase, PDGF-AA, PDGF-AB/PDGF-BB, Persephin, PIGF, Prolactin, Serpin B5/Maspin, Serpin E1/PAI-1, Serpin F1/PEDF, Thrombospondin-1, Thrombospondin-2, TIMP-1, TIMP-4, u-Plasminogen Activator/Urokinase, Vasohibin, VEGF, VEGF-C

Products	Description	Catalog #	Size
Mouse Angiogenesis Array Kit	Contains 4 membranes - each spotted in duplicate with 53 different angiogenesis antibodies	ARY015	1 Kit

ADAMTS1, Amphiregulin, Angiogenin, Angiopoietin-1, Angiopoietin-3, CCL2/JE/MCP-1, CCL3/MIP-1α, Coagulation Factor III/Tissue Factor, CX3CL1/Fractalkine, CXCL1/KC, CXCL4/PF4, CXCL10/IP-10/CRG-2, CXCL12/SDF-1, CXCL16, Cyr61/CNN1, DLL4, DPPIV/CD26, EGF, Endoglin/CD105, Endostatin, Endothelin-1, FGF acidic, FGF basic, GM-CSF, HB-EGF, HGF, IGFBP-1, IGFBP-2, IGFBP-3, IL-1α/IL-1F1, IL-1β/IL-1F2, IL-10, KGF/FGF-7, Leptin, MMP-3 (pro and mature), MMP-8 (pro), MMP-9 (pro and active), NOV/CCN3, Osteopontin (OPN), PD-ECGF/Thymidine Phosphorylase, PDGF-AB/BB, Pentraxin-3/TSG-14, PIGF-2, Prolactin, Proliferin, Serpin E1/PAI-1, Serpin F1/PEDF, Thrombospondin-2, TIMP-1, TIMP-4, VEGF, VEGF-B

Products	Description	Catalog #	Size
Human Apoptosis Array Kit	Contains 4 arrays - each spotted in duplicate with	ARY009	1 Kit
	35 different apoptosis-related antibodies		

Bad, Bax, Bcl-2, Bcl-x, Pro-Caspase-3, Cleaved Caspase-3, Catalase, Claspin, Clusterin, Cytochrome c, FADD, Fas/TNFRSF6/CD95, HIF- 1α , HO-1/HM0X1, HO-2/HM0X2, HSP27, HSP60, HSP70/HSPA1A, HTRA2/Omi, clAP-1 (HIAP-2), clAP-2 (HIAP-1), Livin, p21/CIP1/CDNK1A, p27/Kip1, Phospho-p53 (S15), Phospho-p53 (S46), Phospho-p53 (S392), P0N2, Phospho-Rad17 (S635), SMAC/Diablo, Survivin, TNF RI/TNFRSF1A, TRAIL R1/TNFRSF10A, TRAIL R2/TNFRSF10B, XIAP

Products	Description	Catalog #	Size
Human Cell Stress Array Kit	Contains 4 arrays - each spotted in duplicate with	ARY018	1 Kit
	26 different cell stress-related antibodies		

ADAMTS1, BcI-2, Carbonic Anhydrase IX, Cited-2, COX-2, Cytochrome c, Dkk-4, FABP1/L-FABP, HIF- 1α , HIF- 2α /EPAS1, Phospho-HSP27 (S78/S82), HSP60, HSP70/HSPA1A, IDO, Phospho-JNK Pan (T183/Y185), NF κ B1, p21/CIP1/CDKN1A, p27/Kip1, Phospho-p38 α (T180/Y182), Phospho-p53 (S46), PON1, PON2, PON3, Thioredoxin-1, SIRT2, SOD2/Mn-SOD

Products	Description	Catalog #	Size
Human Chemokine Array Kit	Contains 4 membranes - each spotted in duplicate	ARY017	1 Kit
	with 31 different chemokine antibodies		

CCL1/I-309, CCL2/MCP-1, CCL3/CCL4 (MIP-1 α /MIP-1 β), CCL5/RANTES, CCL7/MCP-3, CCL14/HCC-1/HCC-3, CCL15/MIP-1 β /LKN-1, CCL17/TARC, CCL18/PARC, CCL19/MIP-3 β , CCL20/MIP-3 α , CCL21/6Ckine, CCL22/MDC, CCL26/Eotaxin-3, CCL28, Chemerin, CX3CL1/Fractalkine, CXCL1/GR0 α , CXCL4/PF4, CXCL5/ENA-78, CXCL7/NAP-2, CXCL8/IL-8, CXCL9/MIG, CXCL10/IP-10, CXCL11/I-TAC, CXCL12/SDF-1, CXCL16, CXCL17/VCC-1, IL-16, Midkine, XCL1/Lymphotactin

Products	Description	Catalog #	Size
Mouse Chemokine Array Kit	Contains 4 membranes - each spotted in duplicate	ARY020	1 Kit
	with 25 different chemokine antibodies		

 $\label{eq:ccl2/JE/MCP-1} CCL3/CCL4 \ (MIP-1\alpha/MIP-1\beta), \ CCL5/RANTES, \ CCL6/C10, \ CCL8/MCP-2, \ CCL9/10/MIP-1\gamma, \ CCL11/Eotaxin, \ CCL12/MCP-5, \ CCL21/6Ckine, CCL22/MDC, CCL27/CTACK, CCL28, Chemerin, Complement Component C5a, CX3CL1/Fractalkine, CXCL1/KC, CXCL2/MIP-2, CXCL9/MIG, CXCL10/IP-10/CRG-2, CXCL11/I-TAC, CXCL12/SDF-1, CXCL13/BLC/BCA-1, CXCL16, IL-16, LIX$

Products	Description	Catalog #	Size
Human Cytokine Array Kit, Panel A	Contains 4 arrays - each spotted in duplicate	ARY005	1 Kit
	with 36 different cytokine antibodies		

C5a, CCL1/I-309, CCL2/MCP-1, CCL3/MIP-1 α , CCL4/MIP-1 β , CCL5/RANTES, CD40 Ligand/TNFSF5, CXCL1/GR0 α , CXCL8/IL-8, CXCL10/IP-10, CXCL11/I-7AC, CXCL12/SDF-1 α , G-CSF, GM-CSF, ICAM-1/CD54, IFN- γ , IL-1 α /IL-1F1, IL-1 β /IL-1F2, IL-1ra/IL-1F3, IL-2, IL-4, IL-5, IL-6, IL-10, IL-12 p70, IL-13, IL-16, IL-17, IL-17E/IL-25, IL-23, IL-27, IL-32 α , MIF, Serpin E1/PAI-1, TNF- α , TREM-1

PROTEOME PROFILER ANTIBODY ARRAYS

Products	Description	Catalog #	Size
Human XL Cytokine Array Kit	Contains 4 membranes - each spotted in duplicate	ARY022	1 Kit
	with 102 different cytokine antibodies		

Adiponectin/Acrp30, Aggrecan, Angiogenin, Angiopoietin-1, Angiopoietin-2, BAFF/BLyS/TNFSF13B, BDNF, C5a, CCL2/MCP-1, CCL3/CCL4 (MIP-1α/MIP-1β), CCL5/RANTES, CCL7/MCP-3, CCL17/TARC, CCL19/MIP-3β, CCL20/MIP-3α, CD14, CD30/TNFRSF8, CD40 Ligand/TNFSF5, Chitinase 3-like 1, Complement Factor D, C-Reactive Protein/CRP, Cripto-1, CXCL1/GR0α, CXCL4/PF4, CXCL5/ENA-78, CXCL8/IL-8, CXCL9/MIG, CXCL10/IP-10, CXCL11/I-TAC, CXCL12/SDF-1α, Cystatin C, Dkk-1, DPPIV/CD26, EGF, Endoglin/CD105, EMMPRIN/CD147, Fas Ligand/TNFSF6, FGF basic, KGF/FGF-7, FGF-19, FIt-3 Ligand, G-CSF, GDF-15, GM-CSF, Growth Hormone, HGF, ICAM-1/CD54, IFN-γ, IGFBP-2, IGFBP-3, IL-1α/IL-1F1, IL-1β/IL-1F2, IL-1α/IL-1F3, IL-2, IL-3, IL-4, IL-5, IL-6, IL-10, IL-11, IL-12 p70, IL-13, IL-15, IL-16, IL-17A, IL-18 BPa, IL-19, IL-22, IL-23, IL-24, IL-27, IL-31, IL-32α/β/γ, IL-33, IL-34, Kallikrein 3/PSA, Leptin, LIF, Lipocalin-2/NGAL, M-CSF, MIF, MMP-9, Myeloperoxidase, Osteopontin (OPN), PDGF-AA, PDGF-AB/BB, Pentraxin 3/TSG-14, RAGE, RBP4, Relaxin-2, Resistin, Serpin E1/PAI-1, SHBG, ST2/IL-1 R4, TFF3, TfR, TGF-α, Thrombospondin-1, TNF-α, uPAR, VEGF, Vitamin D BP

Products	Description	Catalog #	Size
Mouse Cytokine Array Kit, Panel A	Contains 4 arrays - each spotted in duplicate	ARY006	1 Kit
	with 40 different cytokine antibodies		

C5a, CCL1/TCA-3, CCL2/JE/MCP-1, CCL3/MIP-1 α , CCL4/MIP-1 β , CCL5/RANTES, CCL11/Eotaxin, CCL12/MCP-5, CCL17/TARC, CXCL1/KC, CXCL2/MIP-2, CXCL9/MIG, CXCL10/IP-10/CRG-2, CXCL11/I-TAC, CXCL12/SDF-1 α , CXCL13/BLC/BCA-1, G-CSF, GM-CSF, ICAM-1/CD54, IFN- γ , IL-1 α /IL-1F1, IL-1 β /IL-1F2, IL-1ra/IL-1F3, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-10, IL-12 p70, IL-13, IL-16, IL-17, IL-23, IL-27, IL-32 α , M-CSF, TIMP-1, TNF- α , TREM-1

Products	Description	Catalog #	Size
Rat Cytokine Array Kit, Panel A	Contains 4 arrays - each spotted in duplicate	ARY008	1 Kit
	with 29 different cytokine antibodies		

 $CCL3/MIP-1\alpha, \quad CCL5/RANTES, \quad CCL20/MIP-3\alpha. \quad CNTF, \quad CXC3CL1/Fractalkine, \quad CXCL1/CINC-1, \quad CXCL2/CINC-3, \quad CXCL3/CINC-2\alpha/\beta, \quad CXCL7/Thymus \\ Chemokine-1, \quad CXCL9/MIG, \quad CXCL10/IP-10, \quad GM-CSF, \quad ICAM-1/CD54, \quad IFN-\gamma, \quad IL-1\alpha/IL-1F1, \quad IL-1\beta/IL-1F2, \quad IL-1ra/IL-1F3, \quad IL-2, \quad IL-3, \quad IL-4, \quad IL-6, \quad IL-10, \quad IL-13, \quad IL-17, \quad LIX, \quad L-Selectin/CD62L, \quad TIMP-1, \quad TNF-\alpha, \quad VEGF \\$

Products	Description	Catalog #	Size
Human XL Oncology Array Kit	Contains 4 membranes - each spotted in duplicate	ARY026	1 Kit
	with 84 different cancer-related antibodies		

Amphiregulin, Angiopoietin-1, Angiopoietin-like 4, Axl, Bcl-x, CA125/MUC16, E-Cadherin, VE-Cadherin, CapG, Carbonic Anhydrase IX, Cathepsin B, Cathepsin S, CCL2/MCP-1, CCL3/MIP-1 α , CCL7/MCP-3, CCL8/MCP-2, CCL20/MIP-3 α , CD25/IL-2 R α , CD31/PECAM-1, CEACAM-5, CG α / β (HCG), CXCL8/IL-8, Decorin, Dkk-1, DLL1, EGF R/ErbB1, Endoglin/CD105, Endostatin, Enolase 2/Neuron-Specific Enolase, ENPP-2/Autotaxin, eNOS, EpCAM/TROP1, ER α /NR3A1, ErbB2/Her2, ErbB3/Her3, ErbB4/Her4, α -Fetoprotein, FGF basic, FoxC2, FoxO1/FKHR, Galectin-3, GM-CSF, HGF R/c-Met, HIF-1 α , HNF-3 β /FoxA2, HO-1/HMOX1, ICAM-1/CD54, IL-6, IL-18 BPa, Kallikrein 3/PSA, Kallikrein 5, Kallikrein 6/Neurosin, Leptin, Lumican, M-CSF, Mesothelin, MMP-2, MMP-3, MMP-9, MSP/MST1, MUC-1, Nectin-4, Osteopontin (OPN), p27/Kip1, p53, PDGF-AA, Progesterone R/NR3C3, Progranulin, Prolactin, Prostasin/Prss8, E-Selectin/CD62E, Serpin B5/Maspin, Serpin E1/PAl-1, SNAIL, SPARC, Survivin, Tenascin C, Thrombospondin-1, TIE-2, u-Plasminogen Activator/Urokinase, VCAM-1/CD106, VEGF, Vimentin

Products	Description	Catalog #	Size
Human Phospho-Immunoreceptor Array Kit	Contains 4 arrays - each spotted in duplicate with 59 different antibodies recognizing proteins involved in immunoreceptor signaling	ARY004B	1 Kit

284/CD244/SLAMF4, BLAME/SLAMF8, BTLA, CD3 ϵ , CD5, CD6, CD23/Fc ϵ RII, CD28, CD31/PECAM, CD84/SLAMF5, CD229/SLAMF3, CD300A/LMIR1, CD300C/LMIR2, CD300E/LMIR6, CD300F/LMIR3, CEACAM-1/CD66a, CLEC-1, CLEC-2, CRACC/SLAMF7, CTLA-4, DCIR/CLEC4A, Dectin-1/CLEC7A, DNAM-1/CD226, Fc γ RIIA/CD32a, Fc γ RIIIA/B/CD16a/b, FCRL1/FcRH1, FCRL2/FcRH2, FCRL4/FcRH4, FCRL5/FcRH5, ILT2/CD85j, ILT3/CD85k, ILT4/CD85d, ILT5/CD85a, ILT6/CD85e, Integrin β 3/CD61, KIR2DL4/CD158d, LAIR-1, LAIR-2, MDL-1/CLEC5A, NKp30/NCR3, NKp44/NCR2, NKp46/NCR1, NKp80/KLRF1, NTB-A/SLAMF6, PD-1, SHIP-1, SHP-1, SHP-2, Siglec-2/CD22, Siglec-3/CD33, Siglec-5/CD170, Siglec-7/CD328, Siglec-9, Siglec-10, SIRP- β 1/CD172b, SLAM/CD150, TREM-1, TREM-2, TREML1/TLT-1

PROTEOME PROFILER ANTIBODY ARRAYS

Products	Description	Catalog #	Size
Human Phospho-Kinase Array Kit	Contains 4 sets of 2 membranes - each spotted in duplicate with antibodies against 43 different kinase phosphorylation sites and 2 related proteins	ARY003B	1 Kit

 $\begin{tabular}{ll} Akt1/2/3 & (S473), Akt1/2/3 & (T308), AMPK$\alpha 1 & (T183), AMPK$\alpha 2 & (T172), β-Catenin, Chk2 & (T68), c-Jun & (S63), $CREB & (S133), EGF R & (Y1068), eNOS & (S1177), $ERK1/2 & (T202/Y204, T185/Y187), FAK & (Y397), Fgr & (Y412), Fyn & (Y420), GSK-3$\alpha/\beta & (S21/S9), Hck & (Y411), HSP27 & (S78/S82), HSP60, JNK1/2/3 & (T183/Y185, T221/Y223), Lck & (Y394), Lyn & (Y397), MSK1/2 & (S376/S360), p27/Kip1 & (T198), p38$\alpha & (T180/Y182), p53 & (S15), p53 & (S46), p53 & (S392), p70 & S6 & Kinase & (T421/S424), PDGF R\beta & (Y751), PLC-\gamma & (Y783), PRA540 & (T246), PYK2/FAK2 & (Y402), RSK1/2/3 & (S380), Src & (Y419), STAT2 & (Y689), STAT3 & (Y705), STAT3 & (S727), STAT5a/D & (Y699), STAT5b/D & (Y699), STAT5b/D & (Y641), TOR & (S2448), WNK-1 & (T60), Yes & (Y426) & (Y426)$

Products	Description	Catalog #	Size
Human Phospho-MAPK Array Kit	Contains 4 arrays - each spotted in duplicate with 26 different antibodies recognizing mitogen activated protein kinases (MAPKs) and other kinases	ARY002B	1 Kit

Akt1 (S473), Akt2 (S474), Akt3 (S472), Akt (S473, S474, S472) Pan Specific, CREB (S133), ERK1 (T202/Y204), ERK2 (T185/Y187), GSK-3 α / β (S21/S9), GSK-3 β (S9), HSP27 (S78/S82), JNK1 (T183/Y185), JNK2 (T183/Y185), JNK3 (T221/Y223), JNK (T183/Y185)/(T221/Y223) Pan Specific, MKK3 (S218/T222), MKK6 (S207/T211), MSK2/RSKB (S360), p38 α (T180/Y182), p38 β (T180/Y182), p38 δ (T180/Y182), p38 γ (T183/Y185), p53 (S46), p70 S6 Kinase (T421/S424), RSK1 (S380), RSK2 (S386), TOR (S2448)

Products	Description	Catalog #	Size
Human Phospho-RTK Array Kit	Contains 4 arrays - each spotted in duplicate with 49	ARYO01B	1 Kit
	different receptor tyrosine kinase (RTK) antibodies		

ALK/CD246, AxI, CD117/c-kit, DDR1, DDR2, Dtk, EGF R, EphA1, EphA2, EphA3, EphA4, EphA5, EphA6, EphA7, EphA10, EphB1, EphB3, EphB4, EphB6, ErbB2/Her2, ErbB3/Her3, ErbB4/Her4, FGF R1, FGF R2α, FGF R3, FGF R4, Flt-3/Flk-2, HGF R/c-MET, IGF-I R, Insulin R/CD220, M-CSF R, Mer, MSP R/Ron, MuSK, PDGF Rα, PDGF Rβ, Ret, ROR1, ROR2, Ryk, Tie-1, Tie-2, TrkA, TrkB, TrkC, VEGF R1/Flt-1, VEGF R2/KDR, VEGF R3/Flt-4

Products	Description	Catalog #	Size
Mouse Phospho-RTK Array Kit	Contains 4 arrays - each spotted in duplicate with 39	ARY014	1 Kit
	different receptor tyrosine kinase (RTK) antibodies		

AxI, CD117/c-kit, DtK, EGF R, EphA1, EphA2, EphA3, EphA6, EphA7, EphA8, EphB1, EphB2, EphB4, EphB6, ErbB2/Her2, ErbB3/Her3, ErbB4/Her4, FGF R2 (IIIc), FGF R3, FGF R4, FIt-3/FIk-2, HGF R/c-MET, IGF-I R, Insulin R/CD220, M-CSF R, Mer, MSP R, MuSK, PDGF R α , PDGF R β , Ret, Tie-1, Tie-2, TrkA, TrkB, TrkC, VEGF R1/FIt-1, VEGF R2/FIk-1, VEGF R3/FIt-4

Products	Description	Catalog #	Size
Human Pluripotent Stem Cell Array Kit	Contains 8 arrays - each spotted in duplicate with 15 different stem cell marker antibodies	ARYO10	1 Kit

 $E-Cadherin, \ \alpha-Fetoprotein, \ GATA-4, \ Goosecoid, \ CG\alpha/\beta \ (HCG), \ HNF-3\beta/FoxA2, \ Nanog, \ Oct-3/4, \ Otx2, \ PDX-1/IPF1, \ Snail, \ SOX2, \ SOX17, \ p63/TP73L, \ VEGF \ R2/KDR$

Products	Description	Catalog #	Size
Human Protease Antibody Array Kit	Contains 4 membranes - each spotted in duplicate	ARY021	1 Kit
	with 34 different protease antibodies		

ADAM8, ADAM9, ADAMTS1, ADAMTS13, Cathepsin A, Cathepsin B, Cathepsin C/DPPI, Cathepsin D, Cathepsin E, Cathepsin L, Cathepsin S, Cathepsin V, Cathepsin X/Z/P, DPPIV/CD26, Kallikrein 3/PSA, Kallikrein 5, Kallikrein 6, Kallikrein 10, Kallikrein 11, Kallikrein 13, MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-12, MMP-13, Neprilysin, Presenilin-1, Proprotein Convertase 9/PCSK9, Proteinase 3/PRTN3, u-Plasminogen Activator/Urokinase

PROTEOME PROFILER ANTIBODY ARRAYS

Products	Description	Catalog #	Size
Human Protease Inhibitor Kit	Contains 4 membranes - each spotted in duplicate	ARY023	1 Kit
	with 34 different protease inhibitor antibodies		

APP, Cystatin A, Cystatin B, Cystatin C, Cystatin E/M, EMMPRIN/CD147, Fetuin B, HAI-1, HAI-2, HE4/WRDC2, Latexin, Lipocalin-1, Lipocalin-2/NGAL, RECK, Serpin A5, Serpin A8/AGT, Serpin A9/Centerin, Serpin A12, Serpin B5/Maspin, Serpin B6, Serpin B8, Serpin E1/PAI-1, Serpin F1/PEDF, Testican 1/SPOCK1, Testican 2/SPOCK2, TFPI, TFPI-2, TIMP-1, TIMP-2, TIMP-3, TIMP-4, Trappin-2/Elafin

Products	Description	Catalog #	Size
Human Protease/Protease Inhibitor Array Kit	Contains 4 membranes - 2 spotted in duplicate with antibodies against 34 different proteases and 2 spotted in duplicate with antibodies against 32 different protease inhibitors	ARY025	1 Kit

Protease Inhibitors: APP, Cystatin A, Cystatin B, Cystatin C, Cystatin E/M, EMMPRIN/CD147, Fetuin B, HAI-1, HAI-2, HE4/WRDC2, Latexin, Lipocalin-1, Lipocalin-2/NGAL, RECK, Serpin A5, Serpin A8/AGT, Serpin A9/Centerin, Serpin A12, Serpin B5/Maspin, Serpin B6, Serpin B8, Serpin E1/PAI-1, Serpin F1/PEDF, Testican 1/SPOCK1, Testican 2/SPOCK2, TFPI, TFPI-2, TIMP-1, TIMP-2, TIMP-3, TIMP-4, Trappin-2/Elafin

Proteases: ADAM8, ADAM7S1, ADAMTS1, Cathepsin A, Cathepsin B, Cathepsin C/DPPI, Cathepsin D, Cathepsin E, Cathepsin L, Cathepsin S, Cathepsin V, Cathepsin X/Z/P, DPPIV/CD26, Kallikrein 3/PSA, Kallikrein 5, Kallikrein 6/Neurosin, Kallikrein 7, Kallikrein 10, Kallikrein 11, Kallikrein 13, MMP-1, MMP-2, MMP-3, MMP-3, MMP-9, MMP-10, MMP-12, MMP-13, Neprilysin, Presenilin-1, Proprotein Convertase 9/PCSK9, Proteinase 3/PRTN3, u-Plasminogen Activator/Urokinase

Products	Description	Catalog #	Size
Human Soluble Receptor Antibody Array Kit, Hematopoietic Panel	Contains 4 membranes - 2 spotted in duplicate with 48 different hematopoietic antibodies and 2 spotted in	ARY011	1 Kit
	duplicate with 57 common antibodies		

Hematopoietic Panel: CD5, CD6, CD30/TNFRSF8, CD40/TNFRSF5, CD43, CD48/SLAMF2, CD59, CD84/SLAMF5, CD97, CD163, CD229/SLAMF3, Chitinase 3-like 1, C-Reactive Protein/CRP, CRTAM, CXCL16, DNAM-1, DPPIV/CD26, IFN- γ R2, IL-2 R α , IL-2 R β , IL-6 R, Integrin α 3/CD49c, Integrin α 4/CD49d, Integrin α 5/CD49e, Integrin α 6/CD49f, Integrin α 9, Integrin α 6/CD49f, Integrin α 8/CD103, Integrin α 8/CD11a, Integrin α 8/CD11b, Integrin α 8/CD11c, LAG-3, MMP-9, MMR/CD206, Myeloperoxidase, Resistin, L-Selectin/CD62L, Siglec-5, Siglec-6/CD327, Siglec-7/CD328, Siglec-9, Siglec-10, TIM-3, TLR2, TLR4, TNF RI/TNFRSF1A, TRACP/PAP/ACP5, TRANCE/RANKL/TNFSF11, TREM-1

Common Analytes Panel: ACE, ADAM8, ADAM9, ADAM10, ALCAM, Amphiregulin, APP Pan Specific, BACE-1, BCAM, C1q R1/CD93, CD9, CD23/Fc ϵ RII, CD31/PECAM-1, CD36/SR-B3, CD40 Ligand/TNFSF5, CD44H, CD58/LFA-3, CD90/Thy1, CD99, CD155/PVR, CEACAM-1, CX3CL1/Fractalkine, CXCL8/IL-8, EMMPRIN, Endoglin/CD105, Epiregulin, Galectin-1, Galectin-3, Galectin-3BP/MAC-2BP, HB-EGF, ICAM-2/CD102, IL-1 RII, IL-15 R α , Integrin β 1/CD29, Integrin β 2/CD18, Integrin β 3/CD61, Integrin β 4/CD104, Integrin β 5, Integrin β 6, JAM-A, Lipocalin-2/NGAL, LOX-1/OLR1, MD-1, MMP-2, NCAM-1/CD56, NCAM-L1, Osteopontin (OPN), PAR1, Pref-1/DLK-1/FA1, RECK, Stabilin-1, TACE/ADAM17, Thrombospondin-1, TIMP-1, TIMP-2, TIMP-3, TNF RII/TNFRSF1B

Products	Description	Catalog #	Size
Human Soluble Receptor Antibody Array Kit, Non-Hematopoietic Panel	Contains 4 membranes - 2 spotted in duplicate with 62 different non-hematopoietic antibodies and 2 spotted in duplicate with 57 common antibodies	ARY012	1 Kit

Non-Hematopoietic Panel: ADAM15, β IG-H3, BMPR-IB/ALK-6, Cadherin-4/R-Cadherin, Cadherin-11, Cadherin-13, E-Cadherin, N-Cadherin, P-Cadherin, VE-Cadherin, Cathepsin D, CD40/TNFRSF5, CEACAM-5, CHL-1/LICAM-2, Clusterin, Coagulation Factor II/Thrombin, COMP, CRELD2, Desmoglein-2, ECM-1, EGF R/ErbB1, Endoglycan, EpCAM/TROP1, ErbB2/Her2, ErbB3/Her3, ErbB4/Her4, ESAM, Galectin-2, HPRG, Integrin α 3/CD49c, Integrin α 5/CD49e, Integrin α 6/CD49f, Integrin α 9, Integrin α 0/CD51, Jagged 1, JAM-B/VE-JAM, JAM-C, LRP-6, MCAM/CD146, MEPE/0F45, MUCDHL, Nectin-2/CD112, Nectin-4, Neurotrimin, Notch-1, NrCAM, Periostin/OSF-2, Podocalyxin, E-Selectin/CD62E, Semaphorin 3A, SREC-I/SCARF1, SREC-II/SCARF2, Stanniocalcin 1, Syndecan-1, Syndecan-4, Thrombospondin-2, TIMP-4, TROP-2, VAP-1, VCAM-1/CD106, VEGF R1/FIt-1, VEGF R2/KDR

Common Analytes Panel: ACE, ADAM8, ADAM9, ADAM10, ALCAM, Amphiregulin, APP Pan Specific, BACE-1, BCAM, C1q R1/CD93, CD9, CD23/Fc ϵ RII, CD31/PECAM-1, CD36/SR-B3, CD40 Ligand/TNFSF5, CD44H, CD58/LFA-3, CD90/Thy1, CD99, CD155/PVR, CEACAM-1, CX3CL1/Fractalkine, CXCL8/IL-8, EMMPRIN, Endoglin/CD105, Epiregulin, Galectin-1, Galectin-3, Galectin-3BP/MAC-2BP, HB-EGF, ICAM-2/CD102, IL-1 RII, IL-15 R α , Integrin β 1/CD29, Integrin β 2/CD18, Integrin β 3/CD61, Integrin β 4/CD104, Integrin β 5, Integrin β 6, JAM-A, Lipocalin-2/NGAL, LOX-1/OLR1, MD-1, MMP-2, NCAM-1/CD56, NCAM-L1, Osteopontin (OPN), PAR1, Pref-1/DLK-1/FA1, RECK, Stabilin-1, TACE/ADAM17, Thrombospondin-1, TIMP-1, TIMP-2, TIMP-3, TNF RII/TNFRSF1B

LUMINEX SCREENING ASSAYS

Human Luminex Screening Assay - Analytes

Adiponectin/Acrp30	Collagen IV α1 •	Glucagon	Leptin
Aggrecan •	Complement Component C5a	GM-CSF	LIF
Amphiregulin •	Complement Factor D/Adipsin	gp130	Lipocalin-2/NGAL
Angiogenin •	C-Reactive Protein/CRP	Growth Hormone	L-Selectin/CD62L
Angiopoietin-1 •	Cripto-1 •	HB-EGF	M-CSF
Angiopoietin-2	CXCL1/GROα	HGF	MFG-E8 •
Angiopoietin-like 3	CXCL4/PF4	ICAM-1/CD54	MICA •
Angiopoietin-like 4	CXCL5/ENA-78	IFN-γ	MICB •
APP •	CXCL6/GCP-2	IFN-γ R1 •	β2-Microglobulin
B7-H1 •	CXCL8/IL-8	IGFBP-1	MIF
BCMA/TNFRSF17 •	CXCL9/MIG	IGFBP-3	MMP-1
BDNF	CXCL10/IP-10	IL-1α/IL-1F1	MMP-2
BMP-2 •	CXCL11/I-TAC	IL-1β/IL-1F2	MMP-3
BMP-4 •	CXCL12/SDF-1 α	IL-1ra/IL-1F3	MMP-7
BMP-9	CXCL13/BLC/BCA-1	IL-1 RI	MMP-8
CA125/MUC16	CXCL16	IL-1 RII	MMP-9
CA15-3	Cystatin C	IL-2	MMP-12
Calbindin D	DcR3 •	IL-3	MMP-13
Cardiac Myoglobin	Dkk-1	IL-4	Myeloperoxidase
Cardiac Troponin I/cTNI	DPPIV/CD26	IL-5	Nephrin •
CCL2/MCP-1	DR3/TNFRSF25 •	IL-6	NRG1-β1/HRG1-β1 •
CCL3/MIP-1α	EGF	IL-6 Rα	NT-Pro-ANP •
CCL4/MIP-1β	EMMPRIN/CD147 •	IL-7	Oncostatin M (OSM)
CCL5/RANTES	Endoglin/CD105	IL-9	Osteopontin (OPN)
CCL7/MCP-3	Endothelin-1	IL-10	PDGF-AA
CCL8/MCP-2	ENPP-2/Autotaxin •	IL-12 p70	PDGF-BB
CCL11/Eotaxin	EphA2 •	IL-13	Pentraxin 3/TSG-14
CCL13/MCP-4	Erythropoietin •	IL-15	Periostin/OSF-2
CCL14/HCC-1/HCC-3 •	E-Selectin/CD62E	IL-17A	PIGF
CCL17/TARC	FABP1/L-FABP •	IL-17E/IL-25	Progranulin •
CCL18/PARC	FABP3/H-FABP •	IL-17F	Prolactin
CCL20/MIP-3α	FABP4	IL-18 BPa •	Proprotein Convertase 9/PCSK9
CCL22/MDC	Fas/TNFRSF6	IL-19 •	P-Selectin/CD62P
CCL24/Eotaxin-2/MPIF-2	Fas Ligand/TNFSF6	IL-22	RAGE
CCL26/Eotaxin-3	α-Fetoprotein	IL-23	RBP4
CCL27/CTACK	FGF acidic	IL-27	Renin
CD14 •	FGF basic	IL-28A/IFN-λ2	Resistin
CD25/IL-2 Rα	FGF-21	IL-31	ROBO4 •
CD27/TNFRSF7 •	FLRG	IL-33	SCF
CD30/TNFRSF8	Flt-3 Ligand	IL-34 •	Serpin C1/Antithrombin-III
CD40/TNFRSF5 •	Follistatin	IL-36β/IL-1F8 •	Serpin E1/PAI-1
CD40 Ligand/TNFSF5	Galectin-3	Insulin	SHBG
CD163 •	G-CSF	Insulin C-Peptide	SOST
Chemerin	GDF-15	Kallikrein 3/PSA	SPARC
Chitinase 3-like 1	GDNF	Kallikrein 5 •	SP-D •

Analyte available exclusively from R&D Systems, a Bio-Techne brand

LUMINEX SCREENING ASSAYS

Human Luminex Screening Assay - Analytes

ST2/IL-1 R4 •	TIM-1/KIM-1/HAVCR	TRANCE/RANK L/TNFSF11	VEGF
TACI •	TIMP-1	ULBP-1 •	VEGF-C
Tenascin C •	TNF-α	ULBP-2/5/6 •	VEGF-D
TFF3	TNF RI/TNFRSF1A	ULBP-3 •	VEGF R3/Flt-4
TFPI •	TNF RII/TNFRSF1B	ULBP-4/RAET1E •	Vitamin D Binding Protein
TfR •	Thrombopoietin	uPAR •	vWF-A2 •
Thrombospondin-2 •	TRAIL/TNSF10	Uteroglobin •	
Tie-1 •	TRAIL R2/TNFRSF10B	VAP-1 •	
Tie-2	TRAIL R3/TNFRSF10C •	VCAM-1/CD106	

[•] Analyte available exclusively from R&D Systems, a Bio-Techne brand New Analyte!

Mouse Luminex Screening Assay - Analytes

Adiponectin/Acrp30	Dkk-1	IL-5	Osteopontin (OPN)
BAFF/BLyS/TNFSF13B	EGF R	IL-6	PDGF-BB
C1q R1/CD93	EMMPRIN/CD147	IL-6 Rα	Periostin/OSF-2
CCL2/JE/MCP-1	Erythropoietin	IL-7	Proprotein Convertase 9/PCSK9
CCL3/MIP-1α	FGF-basic	IL-9	RAGE
CCL4/MIP-1β	FGF-21	IL-10	Resistin
CCL5/RANTES	G-CSF	IL-12 p70	S100A8
CCL11/Eotaxin	GDF-15	IL-13	S100A9
CCL22/MDC	GM-CSF	IL-17A	TIM-1/KIM-1/HAVCR
CCL20/MIP-3 α	HGF	IL-23 p19	Thrombospondin-4
C-Reactive Protein/CRP	IFN-γ	IL-33	TNF-α
CXCL1/KC	IGF-I	Lipocalin-2/NGAL	TRANCE/RANK L
CXCL2/MIP-2	IL-1α/IL-1F1	LIX	VEGF
CXCL9/MIG	IL-1β/IL-1F2	M-CSF	VEGF R2/FIk-1
CXCL10/IP-10/CRG-2	IL-2	MMP-9	

Rat Luminex Screening Assay - Analytes

 $\mathsf{CXCL12}/\mathsf{SDF}\text{-}\mathsf{1}\alpha$

IL-4

CXCL2/CINC-3	IL-1α/IL-1F1	IL-10	TNF-α
CXCL3/CINC-2α/β	IL-1β/IL-1F2	IL-13	VEGF
GM-CSF	IL-2	IL-18	
ICAM-1/CD54	IL-4	L-Selectin/CD62L	
IFN-γ	IL-6	TIMP-1	

VEGF-D

LUMINEX PERFORMANCE ASSAYS

Human Adhesion Molecule 4-plex*, **	
ICAM-1/CD54	
E-Selectin/CD62E	
P-Selectin/CD62P	
VCAM-1/CD106	
	_

Human Angiogenesis Panel
Angiogenin
Angiopoietin-1
Endostatin
FGF acidic
FGF basic
PDGF-AA
PDGF-BB
PIGF
Thrombospondin-2
VEGF

Human Biomarker Panel A*
BAFF/BLyS/TNFSF13B
CCL20/MIP-3 α
CD14
CD25/IL-2 Rα
CD27/TNFRSF7
CXCL13/BLC/BCA-1
gp130
IL-6 Rα
TNF RII/TNFRSF1B

Human Cardiac Panel A*
CD40 Ligand/TNFSF5
GDF-15
Pappalysin-1/PAPP-A
Proprotein Convertase 9/PCSK9
ST2/IL-1 R4
TNF RII/TNFRSF1B

. 50.000, 55.02.
Serpin E1/PAI-1
TIMP-1
Human Cytokine Panel A
CCL2/MCP-1
CCL3/MIP-1 α
CCL4/MIP-1β
CCL5/RANTES
CXCL5/ENA-78
CXCL8/IL-8
FGF basic
G-CSF
GM-CSF
IFN-γ
IL-1α/IL-1F1
IL-1β/IL-1F2
IL-1ra/IL-1F3
IL-2
IL-4
IL-5
IL-6
IL-10
IL-17
TNF-α
Thrombopoietin
VEGF
Human Cytokine Panel B*
CCL11/Eotaxin
CD40 Ligand /TNESE5

Human Cardiac Panel B*
C-Reactive Protein/CRP

Cystatin C
Myeloperoxidase
P-Selectin/CD62P

Thrombopoietin
VEGF
Human Cytokine Panel B*
CCL11/Eotaxin
CD40 Ligand/TNFSF5
CXCL10/IP-10
CXCL11/I-TAC
EGF
HGF
IL-12 p70
IL-13
Leptin

Human High Sensitivity Cytokine Panel A
CXCL8/IL-8
GM-CSF
IFN-γ
IL-1β/IL-1F2
IL-2
IL-4
IL-5
IL-6
IL-10
IL-12 p70
TNF-α
VEGF

Human High Sensitivity Cytokine Panel B***
GM-CSF
IFN-γ
IL-1β/IL-1F2
IL-2
IL-5
IL-6
IL-7
IL-10
IL-13
IL-15
IL-17A
IL-17F
IL-22
IL-23
IL-31
IL-33
IL-36β/IL-1F8
TNF-α

Human Kidney Biomarker Panel***
Clusterin
Cystatin C
CXCL10/IP-10
Fetuin A/AHSG
Lipocalin-2/NGAL
Osteopontin (OPN)
RBP4
TFF3
TIM-1/KIM-1/HAVCR

^{*}Analytes in this panel are only available in the polystyrene bead format. **Kit is only available in the premixed format.
**Analytes in this panel are only available in the magnetic bead format.

LUMINEX PERFORMANCE ASSAYS

Human MMP Panel	Human Obesity Panel*	Human TIMP 4-plex**		
EMMPRIN/CD147	Adiponectin/Acrp30	TIMP-1		
MMP-1	C-Reactive Protein/CRP	TIMP-2		
MMP-2	CCL2/MCP-1	TIMP-3		
MMP-3	Complement Factor D/Adipsin	TIMP-4		
MMP-7	IL-6			
MMP-8	IL-10	Rat Kidney Toxicity Panel*		
MMP-9	Leptin			
MMP-10	Resistin	Cystatin C		
MMP-12	Serpin E1/PAI-1	FABP1/L-FABP		
MMP-13	TNF-α	Lipocalin-2/NGAL		
20	&	Osteopontin (OPN)		
		TIM-1/KIM-1/HAVCR		
Multi-Species TGF-β 3 Panel*,**				
TGF-β1				

*Analytes in this panel are only available in the polystyrene bead format. **Kit is only available in the premixed format.

**Analytes in this panel are only available in the magnetic bead format.

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- · Parkinson's Disease
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- Stroke

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Potent and Selective LRRK2 Inhibitor. GSK2578215A (Tocris, Catalog # 4629) is a potent Leucine-Rich Repeat Ser/Thr Protein Kinase 2 (LRRK2) inhibitor (IC₅₀ values are 8.9 and 10.1 nM for LRRK2[G2019S] mutant and wild-type LRRK2 respectively). It displays selectivity for LRRK2 against a panel of 460 other kinases. This compound blocks Ser910 and Ser935 phosphorylation *in vitro* and in peripheral tissues *in vivo*. It is brain penetrant. Sold for research purposes under agreement from GlaxoSmithKline.

Selective 5-HT $_{2c}$ antagonist. SB 242084 (Tocris, Catalog # 2901) is a selective 5-HT $_{2c}$ antagonist that exhibits >100-fold selectivity for 5-HT $_{2c}$ over other 5-HT receptors. The compound exerts anxiolytic-like activity and is brain penetrant.

$$\bigcap_{NO_2} \bigcap_{NH_2} CO_2H$$

Stable Photoreleaser of L-Glutamate. MNI-caged-L-glutamate (Catalog # 1490) rapidly and efficiently releases glutamate (Catalog # 0218) when photolyzed (300-380 nm excitation). The compound is water-soluble, highly resistant to hydrolysis, stable at a neutral pH, and pharmacologically inactive at neuronal glutamate receptors (up to mM concentrations). It is also 2.5-fold more efficient at releasing L-glutamate than NI-caged L-glutamate. All cited reagents are from Tocris.

Potent γ -Secretase Inhibitor. DAPT (Tocris, Catalog # 2634) is a γ -Secretase inhibitor that reduces A β 40 and A β 42 levels in primary human neurons in vitro, as well as in brain extract, cerebral spinal fluid, and plasma in vivo. DAPT also inhibits Notch signaling and induces neuronal differentiation in embryonic stem cell-derived embryoid bodies.

Selective OX_Receptor Antagonist. SB 334867 (Tocris, Catalog # 1960) is a selective non-peptide Orexin OX_Receptor antagonist shown to inhibit intracellular Ca²⁺ release from Chinese hamster ovary (CHO) cells that express OX_Receptors (pK_p = 7.2). Systemic administration of SB 334867 blocks Orexin A-induced grooming and feeding behavior. Sold for research purposes under agreement from GlaxoSmithKline.

Competitive P2X $_{\gamma}$ Receptor Antagonist. A 438079 (Tocris, Catalog # 2972) is a competitive P2X $_{\gamma}$ Receptor antagonist (pIC $_{so}$ = 6.9). It exhibits no activity at other P2 receptors (IC $_{so}$ >10 μ M) and has been shown to inhibit nociception in animal models of neuropathic pain.

Category	Catalog #	Product Name	Primary Action
5-HT			
5-HT ₁ Receptors	5136	Rizatriptan benzoate	Potent 5-HT _{1B/1D} agonist
5-HT ₁ Receptors	4380	WAY 100635 maleate	Potent 5-HT _{1A} silent antagonist; also D ₄ agonist
5-HT, Receptors	5171	NBOH-2C-CN hydrochloride	Potent and selective 5-HT _{2A} agonist
5-HT ₂ Receptors	4173	MDL 100907	Potent and selective 5-HT ₂₄ antagonist
5-HT ₂ Receptors	2901	SB 242084	Selective 5-HT _{2c} antagonist; brain penetrant
5-HT ₃ Receptors	2459	Tropisetron hydrochloride	Potent 5-HT $_3$ antagonist; also partial agonist of α 7 nAChR
5-HT ₄ Receptors	1658	GR 125487 sulfamate	Potent and selective 5-HT ₄ antagonist; active <i>in vivo</i>
5-HT ₄ Receptors	3499	ML 10302 hydrochloride	Potent and selective 5-HT ₄ partial agonist
5-HT ₆ Receptors	4964	R 1485 dihydrochloride	Selective and high-affinity 5-HT ₆ antagonist
5-HT ₇ Receptors	5005	DR 4485 hydrochloride	Selective and high-affinity 5-HT, antagonist; orally bioavailable
5-HT, Receptors	1612	SB 269970 hydrochloride	Potent and selective 5-HT ₇ antagonist; brain penetrant
Transporters	0927	Fluoxetine hydrochloride	5-HT re-uptake inhibitor
Transporters	1588	Indatraline hydrochloride	Potent 5-HT uptake inhibitor; also inhibits dopamine and noradrenaline uptake
Transporters	1000	indatialine nydrochlonde	Potent 3-11 uptake irinibitor, also irinibits doparnine and noradienaline uptake
Acatulabaling			
Acetylcholine	1205	Dononozil budra shlarid -	Potent AChE inhibitor
Cholinesterases	4385	Donepezil hydrochloride	Potent AChE inhibitor
Cholinesterases	3727	VU 0255035	Highly selective muscarinic M ₁ antagonist
Muscarinic Receptors	4295	VU 0357017 hydrochloride	Positive allosteric modulator of M ₁ Receptors
Muscarinic Receptors	3383	VU 152100	Positive allosteric modulator of M ₄ Receptors
Muscarinic Receptors	3569	Xanomeline oxalate	Functionally selective M ₁ agonist
Nicotinic Receptors	2133	α-Bungarotoxin	α7 subtype-selective nAChR antagonist
Nicotinic Receptors	2349	Dihydro-β-erythroidine hydrobromide	Antagonist for neuronal α4-containing Nicotinic Receptors
Nicotinic Receptors	4557	GTS 21 dihydrochloride	Partial agonist at α7 nAChR
Nicotinic Receptors	1029	Methyllycaconitine citrate	α7 neuronal Nicotinic Receptor antagonist
Nicotinic Receptors	3754	Varenicline tartrate	Orally active and subtype-selective $\alpha 4\beta 2$ partial agonist
Adenosine			
A ₁ Receptors	0439	DPCPX	A ₁ selective antagonist
A _{2A} Receptors	1063	CGS 21680 hydrochloride	A _{2A} agonist
A _{2A} Receptors	5147	Istradefylline	Potent and selective adenosine ${\rm A_{2A}}$ antagonist
A _{2A} Receptors	4783	Lu AA 47070	Prodrug of a potent and selective adenosine ${\rm A_{_{2A}}}$ antagonist
A ₃ Receptors	1104	2-CI-IB-MECA	Highly selective A ₃ agonist
Caged Compounds			
AMPA	3840	NPEC-caged-(S)-AMPA	Caged (S)-AMPA
Dopamine	3992	NPEC-caged-dopamine	Caged dopamine
Dopamine	4932	RuBi-Dopa	Caged dopamine; exhibits two-photon sensitivity
GABA	2991	DPNI-caged-GABA	Nitroindoline-caged GABA
GABA	3400	RuBi-GABA	Caged GABA; excitable by visible wavelength
Glutamate	1490	MNI-caged-L-glutamate	Stable photoreleaser of L-glutamate
Nicotine	3855	RuBi-Nicotine	Caged nicotine; rapidly excitable by visible light
Cannabinoids			
CB ₁ Receptors	1117	AM 251	Potent CB, antagonist; also GPR55 agonist
CB ₁ Receptors	4605	(±)-SLV 319	Potent and selective CB ₁ antagonist Potent and selective CB ₁ antagonist
CB ₂ Receptors	1120	AM 630	CB ₂ selective antagonist/inverse agonist
CB ₂ Receptors	4756	COR 170	Selective antagonist inverse agonist Selective CB ₂ inverse agonist
GPR55	1298	2-Arachidonylglycerol	
di 1100	1230	2-Araciniuonyigiyoetoi	Endogenous cannabinoid ligand; potent GPR55 agonist

Category	Catalog #	Product Name	Primary Action
Dopamine			
D ₁ and D ₅ Receptors	0925	SCH 23390 hydrochloride	Standard selective D ₁ -like antagonist; also 5-HT _{2c} agonist
D ₁ and D ₅ Receptors	1447	SKF 81297 hydrobromide	D ₁ agonist
D, Receptors	1003	L-741,626	High-affinity D ₂ antagonist
D ₂ Receptors	2773	Sumanirole maleate	D ₂ -selective agonist
D ₃ Receptors	4207	SB 277011A dihydrochloride	Selective D ₃ antagonist
D ₄ Receptors	4552	A 412997 dihydrochloride	Selective D _A agonist
Non-Selective	0444	Clozapine	Dopamine antagonist with some D ₄ selectivity; also 5-HT _{24/2c} antagonist
Non-Selective	1061	(-)-Quinpirole hydrochloride	D,-like agonist
Transporters	0421	GBR 12909 dihydrochloride	Selective dopamine uptake inhibitor; also σ ligand
		,	
Fluorescent Probes			
Fluorescent Probes	3878	FFN 511	Fluorescent substrate for VMAT2
	4920	Methoxy-X04	Fluorescent amyloid β detector; brain penetrant
	5118	SynaptoRed™ C2	Fluorescent dye; stains synaptic vesicles
	2540	Tocrifluor T1117	Novel fluorescent cannabinoid ligand; fluorescent form of AM 251 (Tocris,
	20.0	100:1110:11	Catalog # 1117)
GABA			
	1060	CD 05521 hydrobromida	Coloctive and competitive CARA entagenist
GABA Receptors	1262	SR 95531 hydrobromide	Selective and competitive GABA, antagonist
GABA Receptors	4414	TP 003	Functionally selective GABA _A (α 3 subtype) partial agonist
GABA Receptors	1248	CGP 55845 hydrochloride	Potent and selective GABA _B antagonist
GABA _c Receptors	1040	TPMPA	Selective GABA _c antagonist
Transporters	1561	(S)-SNAP 5114	GABA uptake inhibitor
Glutamate			
AMPA Receptors	1045	CNQX disodium salt	Potent AMPA/kainate antagonist; more water soluble form of CNQX (Tocris, Catalog # 0190)
AMPA Receptors	1044	NBQX disodium salt	Potent AMPA antagonist; more water soluble form of NBQX
•		·	(Tocris, Catalog # 0373)
Carboxypeptidases	5033	2-MPPA	Selective Glutamate Carboxypeptidase II (GCP II) inhibitor; orally bioavailable
Kainate Receptors	0222	Kainic acid	Potent excitant and neurotoxin
Kainate Receptors	2079	UBP 302	Selective and potent $GLU_{\rm K5}$ -subunit containing Kainate Receptor antagonist; active enantiomer of UBP 296 (Tocris, Catalog # 2078)
Metabotropic Receptors	0103	L-AP4	Selective group III mGlu agonist
Metabotropic Receptors	0805	(S)-3,5-DHPG	Selective group I mGlu agonist; active enantiomer of 3,5-DHPG (Tocris, Catalog # 0342)
Metabotropic Receptors	4969	LY 2389575 hydrochloride	Selective negative allosteric modulator of mGlu ₃
Metabotropic Receptors	1209	LY 341495	Highly potent and selective group II mGlu antagonist
Metabotropic Receptors	4976	ML 289	Selective negative allosteric modulator at mGlu,
Metabotropic Receptors	1212	MPEP hydrochloride	mGlu _s antagonist and positive allosteric modulator at mGlu ₄
Metabotropic Receptors	2921	MTEP hydrochloride	Potent and selective mGlu _s antagonist
NMDA Receptors	0106	D-AP5	Potent and selective NMDA antagonist; more active form of DL-AP5 (Tocris, Catalog # 0105)
NMDA Receptors	3693	DL-AP5 sodium salt	Sodium salt of DL-AP5 (Tocris, Catalog # 0105)
NMDA Receptors	1409	CGP 39551	Potent, selective and competitive NMDA antagonist
NMDA Receptors	1594	Ro 25-6981 maleate	Subtype-selective NR2B antagonist
Transporters	5082	LDN 212320	Increases EAAT2 expression; neuroprotective
Transporters	1223	DL-TBOA	Selective non-transportable inhibitor of EAATs
папаропета	1220	DETIDOR	ociocave non-transportable inflibitor of LAAIS

Category	Catalog #	Product Name	Primary Action
Kinases			
DYRK	4997	INDY	Dyrk1A/B inhibitor
GSK-3	3194	BIO	Potent and selective GSK-3 inhibitor
GSK-3	4423	CHIR 99021	Highly selective GSK-3 inhibitor; enhances ESC self-renewal in combination with PD 0325901 (Tocris, Catalog # 4192)
JNK	4924	CEP 1347	Inhibitor of JNK signaling
LRRK	4629	GSK2578215A	Potent and selective LRRK2 inhibitor; brain penetrant
LRRK	4273	LRRK2-IN-1	Potent and selective LRRK2 inhibitor
PAK	5190	FRAX 486	Potent p21-Activated Kinase (PAK) inhibitor; brain penetrant and orally bioavailable
PERK	5107	GSK 2606414	Potent and selective PERK inhibitor; orally bioavailable
Melatonin			
MT ₂ Receptors	1034	4-P-PDOT	MT ₂ antagonist
Non-Selective	0877	Luzindole	Competitive Melatonin MT ₁ /MT ₂ antagonist
Neuronal Metabolism			
Aβ Peptides	4803	CRANAD 2	Near-infrared probe that detects Aβ40 aggregates
Aβ Peptides	5081	J 147	Neuroprotective and neurotrophic compound; reduces A β 40 and A β 42 levels
FAAH	4175	PF 3845	Selective FAAH inhibitor
MAGL	3836	JZL 184	Monoacylglycerol Lipase (MAGL) inhibitor
Monoamine Oxidase	4308	Rasagiline mesylate	Selective and irreversible MAO-B inhibitor
γ-Secretase	2634	DAPT	$\gamma\textsc{-Secretase}$ inhibitor; reduces A $\beta40$ and A $\beta42$ levels
γ-Secretase	4898	TC-E 5006	γ -Secretase modulator; reduces A β 42 levels
Neuropeptides	1011		
CGRP Receptors	4314	SB 268262	Selective non-peptide CGRP ₁ antagonist
Neuropeptide S Receptors	5161	ML 154	Potent Neuropeptide S Receptor antagonist
Neuropeptide S Receptors	4510	SHA 68	Selective Neuropeptide S Receptor antagonist
Neuropeptide W/B Receptors	4948	CYM 50769	Novel non-peptide NPBWR1 antagonist
Neuropeptide Y Receptors	2199	CGP 71683 hydrochloride	Highly selective and potent non-peptide NPY Y ₅ Receptor antagonist
Orexin Receptors	4983	ACT 335827	Potent and selective OX, antagonist
Orexin Receptors	4558	EMPA	Highly potent and selective OX ₂ antagonist; brain penetrant
Orexin Receptors	1455	Orexin A (human, rat, mouse)	Endogenous agonist at OX ₁ and OX ₂
Orexin Receptors	1960	SB 334867	Selective non-peptide OX ₁ antagonist
Onicida			
Opioids	22.47	2.	
κ Receptors	0347	nor-Binaltorphimine dihydrochloride	Selective κ Opioid Receptor antagonist
μ Receptors	1171	DAMGO	Selective μ Opioid Receptor agonist

Tocriscreen Total (Catalog # 2884)

1120 Biologically Active Compounds Pre-Dissolved in DMSO (250 μ L, 10 mM solutions)

Includes numerous neurotransmitter receptor agonists and antagonists, uptake inhibitors, ion channel blockers and enzyme inhibitors



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Category	Catalog #	Product Name	Primary Action
Purinergic P2			
P2X Receptors	2972	A 438079 hydrochloride	Competitive P2X, antagonist
P2X Receptors	3323	AZ 10606120 dihydrochloride	Potent P2X, antagonist
P2X Receptors	1391	NF 449	Highly selective P2X ₁ antagonist
P2Y Receptors	3321	AR-C 66096 tetrasodium salt	Potent and selective P2Y ₁₂ antagonist
P2Y Receptors	2157	MRS 2365	Highly potent and selective P2Y, agonist
·	2157	MRS 2500 tetraammonium salt	Extremely potent and selective P2Y, antagonist
P2Y Receptors Non-Selective	3209	α ,β-Methyleneadenosine 5'-	· ·
Non-Selective	3209	triphosphate trisodium salt	P2 agonist
TRK			
TrkB Receptors	2837	BDNF (human)	Activates TrkB and p75 Receptors
TrkB Receptors	3826	7,8-Dihydroxyflavone	TrkB agonist
TIKE Receptors	3020	7,8-Diffyufoxyllavoffe	IIKD aguilst
TRP Channels			
TRPA Channels	2896	HC 030031	Selective TRPA1 blocker
TRPA Channels	1531	Icilin	Activates a novel cold receptor; cooling agent
TRPC Channels	4912	GsMTx4	TRPC1 and TRPC6 blocker; inhibits mechanosensitive ion channels
TRPC Channels	4732	ML 204	Selective TRPC4 blocker
TRPC Channels	1147	SKF 96365 hydrochloride	TRPC channel blocker; also inhibits store-operated Ca ²⁺ entry
TRPM Channels	4632	TC-I 2000	TRPM8 blocker
TRPM Channels	3040	WS 12	TRPM8 agonist; cooling agent
TRPV Channels	4319	A 784168	Potent and selective TRPV1 antagonist
TRPV Channels	0464	Capsazepine	Vanilloid Receptor antagonist; also activator of ENaC $\!\delta$
TRPV Channels	5106	GSK 2193874	Potent and selective TRPV4 inhibitor; orally active
Voltage-Gated Ion Cha	nnele		
Calcium Channels	1085	ω-Conotoxin GVIA	Ca ²⁺ channel blocker (N-type)
Calcium Channels	2198	Mibefradil dihydrochloride	Ca ²⁺ channel blocker (T-type)
Calcium Channels	3954	trans-Ned 19	NAADP antagonist; inhibits Ca ²⁺ release
Calcium Channels	3775	Pregabalin	Anticonvulsant; selectively binds the $\alpha_{_2}\delta$ subunit of voltage-sensitive calcium channels
Chloride Channels	3430	CFTR _{inh} 172	Voltage-independent, selective CFTR chloride channel blocker
Chloride Channels	4538	T16A _{inh} - A01	Ca ²⁺ -activated Cl ⁻ Channel Transmembrane Protein 16A (TMEM16A) inhibitor
Potassium Channels	1808	E-4031 dihydrochloride	$\rm K_v 11.1$ (hERG) channel blocker; inhibits rapid delayed rectifier $\rm K^+$ current ($\rm I_{\rm K}$)
Potassium Channels	4949	MaxiPost	K ⁺ channel modulator; exerts subtype-specific effects
Potassium Channels	4777	ML 277	Selective $\rm K_v$ 7.1 (KCNQ1) potassium channel activator; augments $\rm I_{\rm Ks}$ current
Potassium Channels	1316	Tertiapin-Q	Selective blocker of inward-rectifier K ⁺ channels
Potassium Channels	4952	TRAM 39	Potent K _{ca} 3.1 blocker
Sodium Channels	2976	A 803467	Selective Na _v 1.8 blocker
Sodium Channels	5066	ICA 121431	Selective Na _v 1.3 and Na _v 1.1 blocker

Bio-Techne offers multiple tools to optimize neural stem cell (NSC) experimentation and ensure your stem cell workflow is efficient and reliable.

Complete Workflow Coverage

• We have products for all aspects of NSC experimentation, from culture and expansion to differentiation and verification.

Minimize Experimental Variability

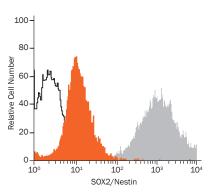
• Our products quickly verify stem cell populations, thereby increasing consistency across experiments.

Save Time and Money

• Our products reduce experimental variability to prevent wasted effort and reagents and allow for more confident data analysis.

Culture and Expansion Products

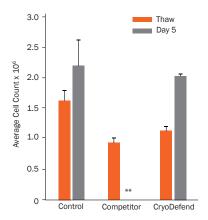
We offer multipotent mouse and rat primary cortical stem cells, as well as a variety of serum-free neural media supplements, growth factors, and small molecules to maintain and expand NSCs.



Mouse Cortical Stem Cells Express Nestin and SOX2. Mouse Cortical Stem Cells (Catalog # NSC002) were stained with a PE-Conjugated Mouse Anti-Mouse/Rat Nestin Monoclonal Antibody (Catalog # IC2736P; gray histogram), a PE-Conjugated Mouse Anti-Human/Mouse SOX2 Monoclonal Antibody (Catalog # IC2018P; orange histogram), or a PE-Conjugated Mouse IgG_{2a} Isotype Control Antibody (Catalog # IC003P; open histogram). All cited reagents are from R&D Systems.



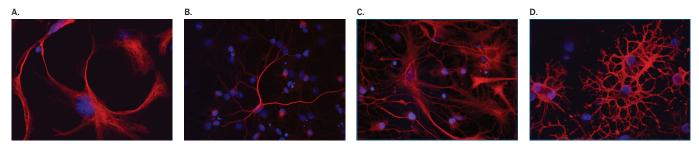
N-2 MAX Media Supplement Provides Optimal Growth Conditions for NSC Expansion. Rat cortical stem cells (Catalog # NSC001) were grown and differentiated for 7 days *in vitro* in media supplemented with N-2 MAX Media Supplement (Catalog # AR009). Differentiated oligodendrocytes were detected using a Mouse Anti-Human/Mouse/Rat/Chicken Oligodendrocyte Marker 04 Monoclonal Antibody (Catalog # MAB1326), followed by the NL557-Conjugated Goat Anti-Mouse IgM Secondary Antibody (Catalog # NL019; yellow). The nuclei were counterstained with DAPI (blue). All cited reagents are from R&D Systems.



Superior Recovery of Rat Neural Progenitor Cells from CryoDefend"-Stem Cells Media Compared to Competitor Cryopreservation Media. Rat Cortical Stem Cells (Catalog # NSC001) were frozen (2 x 10° cells/vial) in control (10% BSA/10% DMSO), competitor, or CryoDefend-Stem Cells media (Catalog # CCM018). Cell viability was assessed at the time of thaw (orange bars) and after 5 days in culture (gray bars) in DMEM/F12 media supplemented with N-2 MAX (Catalog # AR009) and Recombinant Human FGF basic (Catalog # 4114-TC). All cited reagents are from R&D Systems... ** indicates low recovery yield.

Identification and Verification Kits

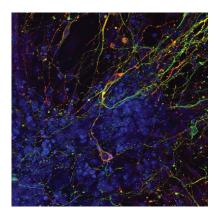
Validating the multipotency of a NSC population prior to its expansion, differentiation, and experimentation will ensure confidence when analyzing the data from downstream experiments. Using suboptimal, unverified NSC populations puts you at risk for inconsistent results, thus wasting time and reagents. We offer a variety of solutions to quickly and confidently assess NSC multipotency.



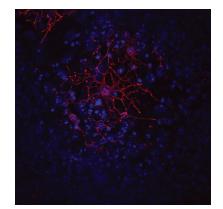
Functional Verification of Neural Progenitor Cell Multipotency. Rat neural progeniter cells (A) were maintained in culture and differentiated towards neural lineages using the Human/Mouse/Rat Neural Lineage Functional Identification Kit (R&D Systems, Catalog # SC028). NSC differentiation into neurons (B), astrocytes (C), and oligodendrocytes (D) was validated using the cell-specific marker antibodies supplied in the kit. Neural progenitor cells were detected using a Goat Anti-Rat Nestin Antigen Affinity-Purified Polyclonal Antibody, neurons were detected using a Mouse Anti-Neuron-Specific βIII Tubulin Monoclonal Antibody, astrocytes were detected using a Sheep Anti-Human GFAP Antigen Affinity-Purified Polyclonal Antibody, and oligodendrocytes were detected using a Mouse Anti-Oligodendrocyte Marker O4 Monoclonal Antibody. The nuclei were counterstained with DAPI (blue).

Differentiation Kits

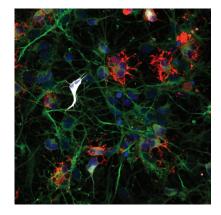
Efficient and consistent NSC differentiation is essential for maximizing research productivity, increasing data reliability, and reducing the cost and labor associated with lengthy differentiation protocols. Our all-in-one kits are specifically designed to efficiently differentiate NSCs into neuronal cell-types. In addition, we offer a wide selection of small molecules to enhance NSC differentiation.



Dopaminergic Neurons Generated from iPS Cells Using the Dopaminergic Neuron Differentiation Kit. Human induced pluripotent stem (iPS) cells were differentiated into dopaminergic neurons using the Human/Mouse Dopaminergic Neuron Differentiation Kit (Catalog # SC001B). A dopaminergic phenotype was confirmed using a Mouse Anti-Human Tyrosine Hydroxylase Monoclonal Antibody (Catalog # MAB7566) followed by the NL557-Conjugated Donkey Anti-Mouse IgG Secondary Antibody (Catalog # NL007; red). The cells were also stained with a Mouse Anti-Neuron-Specific βIII Tubulin (Clone TuJ-1) Monoclonal Antibody (Catalog # MAB1195) followed by the NL493-Conjugated Donkey Anti-Mouse IgG Secondary Antibody (Catalog # NL009; green). The nuclei were counterstained with DAPI (blue). All cited reagents are from R&D Systems.



Mouse Oligodendrocytes Generated Using the Oligodendrocyte Differentiation Kit. D3 mouse embryonic stem cells were expanded in KO-ES media and differentiated into oligodendrocytes using the Mouse Oligodendrocyte Differentiation Kit (Catalog # SC004). An oligodendrocyte phenotype was detected using a Mouse Anti-Human/Mouse/Rat/Chicken Oligodendrocyte Marker 04 Monoclonal Antibody (Catalog # MAB1326) followed by staining with the NL557-Conjugated Goat Anti-Mouse IgM Secondary Antibody (Catalog # NL019; red). The nuclei were counterstained with DAPI (blue). All cited reagents are from R&D Systems.



βIII Tubulin, GFAP, and Oligodendrocyte Marker O4 in Differentiated Rat Cortical Stem Cells. Rat cortical stem cells (Catalog # NSC001) were differentiated into neurons, astrocytes, and oligodendrocytes using the Human/Mouse/Rat Neural Lineage Functional Identification Kit (Catalog # SC028). Differentiated cells were stained with cell-specific antibodies from the Human/Mouse/Rat Neural 3-Color Immunocytochemistry Kit (Catalog # SC024). Neurons were stained with a NL637-Conjugated Mouse Anti-Neuron-Specific βIII Tubulin Monoclonal Antibody (Clone TuJ-1; white), astrocytes were stained with a NL493-Conjugated Sheep Anti-GFAP Antigen Affinity-Purified Polyclonal Antibody (green), and oligodendrocytes were stained with a NL557-Conjugated Mouse Anti-Oligodendrocyte Marker O4 Monoclonal Antibody (red). The nuclei were counterstained with DAPI (blue). All cited reagents are from R&D Systems

Cortical Stem Cells and Cryopreservation Medium

Product	Catalog #	Description
Rat Primary Cortical Stem Cells	NSC001	Isolated from E14.5 Sprague-Dawley rats; 3 x 10 ⁶ cells/vial
Mouse Primary Cortical Stem Cells	NSC002	Isolated from E14.5 CD-1 mice; 2 x 10 ⁶ cells/vial
CryoDefend™-Stem Cells	CCM018	Media for protein-free cryopreservation of stem cells

Cell Culture Supplements and Substrates

Product	Catalog #	Description
N-2 Plus Media Supplement	AR003	Chemically defined, serum-free media for culturing neural progenitor cells and their differentiated derivatives; contains bovine Insulin
N-2 MAX Media Supplement	AR009	Chemically defined, serum-free media for culturing neural progenitor cells and their differentiated derivatives; contains recombinant human Insulin
N21-MAX Media Supplement	AR008	Serum-free, defined media for the long-term culture of neurons in the absence of an astrocyte feeder layer
Holo-Transferrin	2914-HT-001	Facilitates iron transport and improves cell proliferation in culture
StemXVivo [™] Culture Matrix	CCM013	A defined matrix for the growth and differentiation of stem cells and progenitor cells
Human Fibronectin, CF	1918-FN-02M	Carrier Free, plasma-derived protein that facilitates NSC adherence to culture dishes and promotes NSC expansion in vitro; does not contain BSA
Mouse Fibronectin, CF	1030-FN	Carrier Free, plasma-derived protein that facilitates NSC adherence to culture dishes and promotes NSC expansion in vitro; does not contain BSA
Recombinant Human Fibronectin Full, CF	4305-FN-200	Carrier Free, NSO murine myeloma cell line-derived protein that facilitates NSC adherence to culture dishes and promotes NSC expansion <i>in vitro</i> ; does not contain BSA
Recombinant Human Fibronectin Fragment 2	3225-FN-100	Carrier Free, NSO murine myeloma cell line-derived protein that facilitates NSC adherence to culture dishes and promotes NSC expansion <i>in vitro</i> ; does not contain BSA
Recombinant Human Fibronectin Fragment 3	3938-FN-050	Carrier Free, NSO murine myeloma cell line-derived protein that facilitates NSC adherence to culture dishes and promotes NSC expansion <i>in vitro</i> ; does not contain BSA
Recombinant Human Fibronectin Fragment 4	3624-FN-050	Carrier Free, NSO murine myeloma cell line-derived protein that facilitates NSC adherence to culture dishes and promotes NSC expansion <i>in vitro</i> ; does not contain BSA
Recombinant Human Fibronectin, ACFP	ACFP4305	Animal Component-Free Process (ACFP) Fibronectin, derived from the <i>baculovirus</i> Spodoptera frugiperda, Sf 9; facilitates NSC adherence to culture dishes and promotes NSC expansion <i>in vitro</i>
Cultrex® Poly-L-Lysine	3438-100-01	A highly positively charged amino acid chain; used as a coating agent to promote cell adhesion in culture

NSC Kits

Product	Catalog #	Description	Species
Neural Lineage Functional Identification Kit	SC028	Verify multipotency of human, mouse, and rat neural progenitor cells (NPCs) by functional differentiation	Human, Mouse, Rat
Neural 3-Color Immunocytochemistry Kit	SC024	Characterize human, mouse, and rat neural cells differentiated from NPCs	Human, Mouse, Rat
Neural Progenitor Cell Marker Antibody Panel	SC025	Contains a collection of neural progenitor markers to verify multipotency	Human, Mouse, Rat
Dopaminergic Neuron Differentiation Kit	SC001B	Differentiates human and mouse ES/iPS cells into dopaminergic neurons under serum-free conditions	Human, Mouse
Oligodendrocyte Differentiation Kit	SC004	Differentiates mouse ES/iPS cells into oligodendrocytes under serum-free conditions	Mouse

Proteins for NSC Research

Molecule	Catalog #	Species	Source
BDNF	248-BD	Human, Mouse, Rat, Canine, Equine	Sf 21
BMP-2	355-BM	Human	CHO
BMP-4	314-BP	Human	NS0
BMP-4	5020-BP	Mouse	CHO
CNTF	257-NT	Human	E. coli
CNTF	557-NT	Rat	E. coli
EGF	236-EG	Human	E. coli
EGF	2028-EG	Mouse	E. coli
EGF	3214-EG	Rat	E. coli
FGF basic	3139-FB	Mouse	E. coli
FGF basic	3339-FB	Rat	E. coli
FGF basic	233-FB	Human	E. coli
FGF-10	345-FG	Human	E. coli
FGF-10	6224-FG	Mouse	E. coli
FGF-10	7804-FG	Rat	E. coli
FGF-8b	423-F8	Human, Mouse	E. coli
GDNF	212-GD	Human	NS0
GDNF	512-GF	Rat	Sf 21
IGF-I	291-G1	Human	E. coli
IGF-I	791-MG	Mouse	E. coli
IGF-I	4326-RG	Rat	E. coli
β-NGF	256-GF	Human	NS0
β-NGF	1156-NG	Mouse	NS0
β-NGF	556-NG	Rat	Sf 21
NT-3	267-N3	Human	Sf 21
NT-4	268-N4	Human	Sf 21
NT-4	3236-N4	Mouse	NS0
PDGF	120-HD	Human	Human Platelets
PDGF-AA	221-AA	Human	E. coli
PDGF-AA	1055-AA	Rat	E. coli
PDGF-AB	222-AB	Human	E. coli
PDGF-AB	1115-AB	Rat	E. coli
PDGF-BB	220-BB	Human	E. coli
PDGF-BB	520-BB	Rat	E. coli
Sonic Hedgehog/Shh (C24II) N-Terminus	1845-SH	Human	E. coli
Sonic Hedgehog/Shh (C25II) N-Terminus	464-SH	Mouse	E. coli
VEGF 164	493-MV	Mouse	Sf 21
VEGF 164	564-RV	Rat	NS0
VEGF 165	293-VE	Human	Sf 21

Small Molecules for NSC Expansion

Product	Catalog #	Primary Action
17-AAG	1515	Selective HSP90 inhibitor; protects neural progenitors from naturally occuring apoptosis
Amiodarone hydrochloride	4095	Ion channel blocker; selectively inhibits NSC proliferation in hESC-derived cell populations
CHIR 99021	4423	Selective GSK-3 inhibitor; enhances ESC self-renewal in combination with PD 0325901 (Tocris, Catalog # 4192)
Cyclopamine	1623	$Hedgehog\ signaling\ inhibitor; suppresses\ the\ proliferation\ of\ Ptch 1^{+/-}\ medulloblastoma\ precursor\ cells$
DMH-1	4126	Selective ALK2 Receptor inhibitor; promotes iPSC neurogenesis in combination with SB 431542 (Tocris, Catalog # 1614)
INDY	4997	Dyrk1A/B inhibitor; impairs the self-renewal capacity of NSCs
P7C3	4076	Neuroprotective and proneurogenic compound; orally available
SB 431542	1614	Induces proliferation, differentiation and sheet formation of ESC-derived endothelial cells
SU 5402	3300	Potent FGF R and VEGF R inhibitor; attenuates Integrin β 4-mediated differentiation of neural stem cells
Y-27632 dihydrochloride	1254	Selective p160R0CK inhibitor; enhances survival of hES cells undergoing cryopreservation

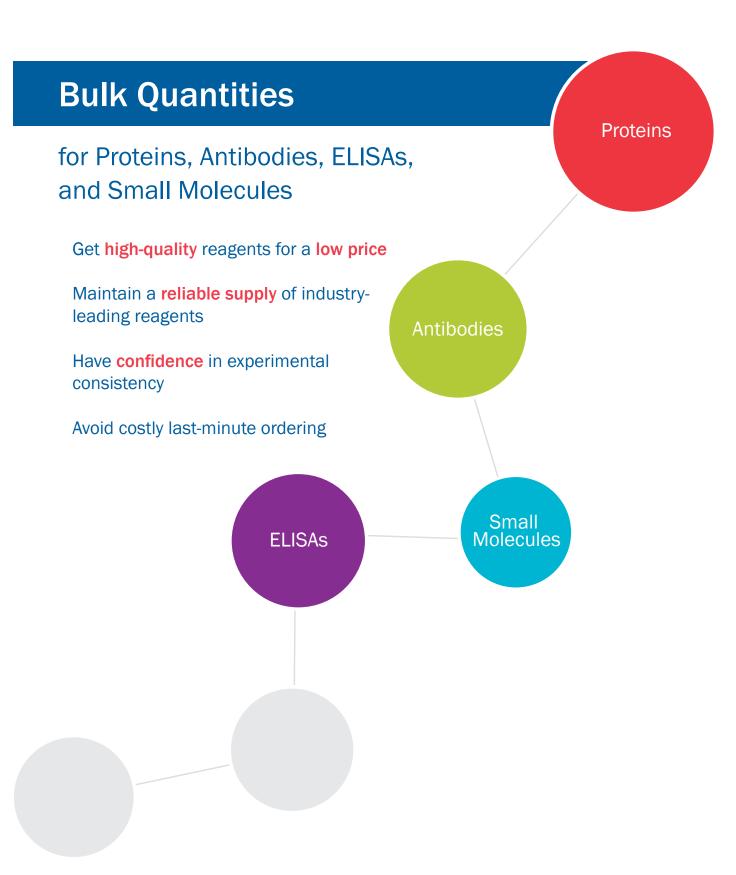
Small Molecules for NSC Differentiation

Product	Catalog #	Primary Action
DAPT	2634	γ-Secretase inhibitor; induces neuronal differentiation of neural cells
Fluoxetine hydrochloride	0927	5-HT re-uptake inhibitor; induces differentiation of neuronal precursors
Forskolin	1099	Adenylyl Cyclase activator; induces neuronal differentiation in NSCs
ISX 9	4439	Induces neuronal differentiation of SVZ progenitors
KHS 101 hydrochloride	4888	Selective inducer of neuronal differentiation in hippocampal neural progenitors
Metformin hydrochloride	2864	Antidiabetic agent; promotes neurogenesis
Neurodazine	3656	Induces neurogenesis in mature skeletal muscle cells
Neuropathiazol	5186	Selective inducer of neuronal differentiation in hippocampal neural progenitors
1-Oleoyl lysophosphatidic acid sodium salt	3854	Endogenous agonist of LPA ₁ and LPA ₂ ; inhibits differentiation of NSCs into neurons
O-Phospho-L-serine	0238	Group III mGlu agonist; inhibits proliferation and enhances neuronal differentiation of progenitor cells
Retinoic acid	0695	Retinoic Acid Receptor agonist; promotes differentiation of ESCs into neurons, glia and adipocytes
TCS 2210	3877	Inducer of neuronal differentiation in MSCs
TWS 119	3835	GSK-3 β inhibitor; induces neuronal differentiation in ESCs
Valproic acid, sodium salt	2815	Histone Deacetylase inhibitor; promotes neuronal differentiation

Antibodies to Investigate Synapse Development

Molecule	Catalog #	Brand	Species	Clonality	Applications	Conjugates
CaMKIIα	NB100-1983	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC, ELISA, IP, RI	Yes
EAAT1/GLAST-1	AF6048	R&D Systems	Human	Poly	WB, IHC	No
HOMER	NBP1-44999	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC	No
Neuroligin 1	AF4340	R&D Systems	Human, Rat	Poly	WB, IHC	Yes
NMDA Receptor 2B	NB300-106	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC, FC, IP	No
PSD-95	NB300-556	Novus Biologicals	Human, Mouse, Rat +	Mono	WB, ICC, IHC, FC, ChIP, IP, B/N	Yes
Synapsin I	NB300-104	Novus Biologicals	Human, Mouse, Rat	Poly	WB, ICC, IHC, IP	No
Synaptophysin	NB300-653	Novus Biologicals	Human, Mouse, Rat +	Poly	WB, ICC, IHC, IP	No
Synaptotagmin-1	MAB43641	R&D Systems	Rat	Mono	WB, IHC, IP	No
Synuclein- α	NBP1-26380	Novus Biologicals	Human, Mouse	Mono	WB, IHC, FC	Yes

Species Key: + Additional Species Available Applications Key: B/N (Blocking/Neutralization), ChIP (Chromatin Immunoprecipitation), ELISA (ELISA Capture and/or Detection), FC (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), RI (Radioimmunoassay), and WB (Western blot)



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- Conversion of a traditional hybridoma to recombinant antibody.
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- · Development of novel GMP-grade, Animal-Free, and Animal-Component-Free Process proteins

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- Facilitation of the transition from RUO to IVD

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- Chemical sourcing such as extraction and supply of natural products, and synthesis of modified and unmodified peptide chains
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