

Product Datasheet

TRA-1-60(R) Antibody (TRA-1-60) - BSA Free NB100-730

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 18

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-730

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-730



NB100-730

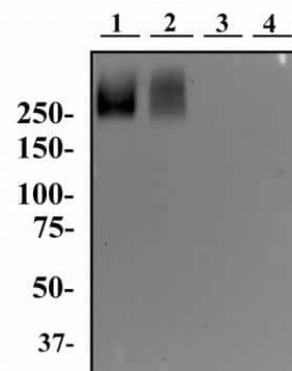
TRA-1-60(R) Antibody (TRA-1-60) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	TRA-1-60
Preservative	0.02% Sodium Azide
Isotype	IgM
Purity	IgM purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse TRA-1-60(R) Antibody (TRA-1-60) - BSA Free (NB100-730) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. Anti-TRA-1-60(R) Antibody: Cited in 16 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5420
Species	Human, Mouse (Negative)
Reactivity Notes	No immunoreactivity is seen with murine EC, EG or ES cells.
Marker	Embryonic Stem Cell Marker
Specificity/Sensitivity	Specific for the neuraminidase resistant form of the TRA-1-60 antigen that is expressed upon the surface of human teratocarcinoma stem cells (EC), human embryonic germ cells (EG) and human embryonic stem cells (ES). TRA-1-60 reacts with a sialidase-sensitive epitope.
Immunogen	Human embryonal carcinoma cell line 2102Ep.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:50-1:200, ELISA reported in scientific literature (PMID 30617132), Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin reported in scientific literature (PMID 33234532)

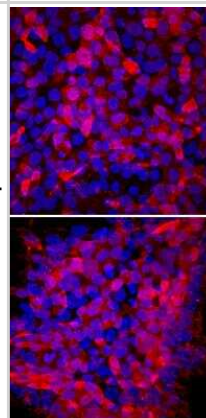


Images

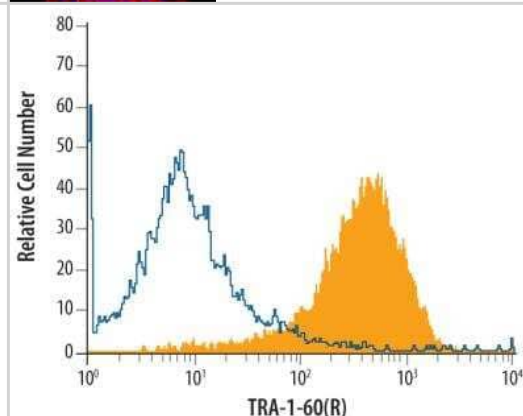
Western Blot: TRA-1-60 (R) Antibody (TRA-1-60(R)) [NB100-730] - Whole cell protein from human ES cells (lane 1), human NTERA-2 cells (lane 2), mouse embryonic fibroblasts (MEF, lane 3) and mouse V6.5 ES cells (lane 4, NBP1-97433) were separated on a 7.5% gel and transferred to PVDF membrane. The membrane was then incubated with anti-TRA1-60(R) antibody at 2 ug/ml and detected with an anti-mouse IgM secondary antibody using chemiluminescence. Note how this antibody specifically detects the TRA1-60(R) epitope only on human cells.



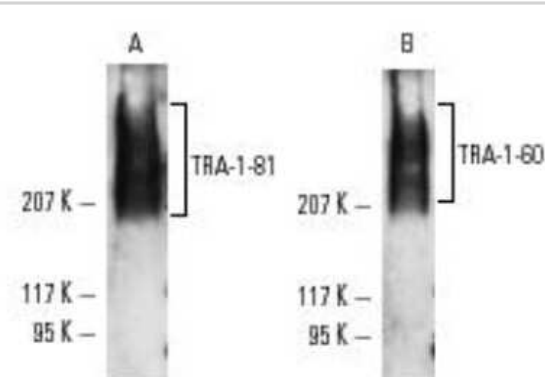
Immunocytochemistry/Immunofluorescence: TRA-1-60(R) Antibody (TRA-1-60) [NB100-730] - TRA-1-60(R) was detected in immersion fixed ADLF1 (top panel) and FAB2 (bottom panel) induced pluripotent stem cell lines using Mouse Anti-Human TRA-1-60(R) Neuraminidase Resistant Epitope Monoclonal Antibody (Catalog # NB100-730) at 10 ug/mL for 3 hours at room temperature. Cells were stained using an Anti-Mouse IgG Secondary Antibody (red) and counterstained with DAPI (blue). Specific staining was localized to cell surfaces.



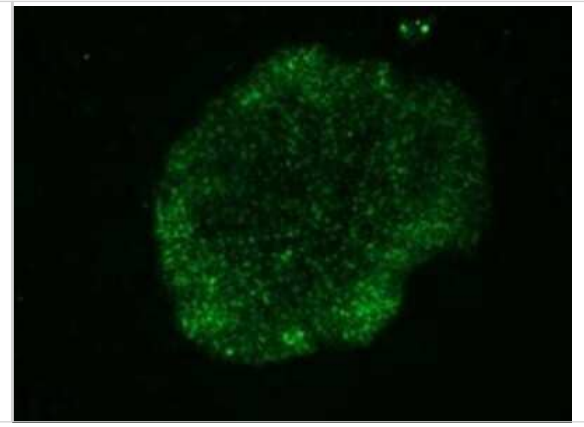
Flow Cytometry: TRA-1-60(R) Antibody (TRA-1-60) [NB100-730] - BG01V human embryonic stem cells were stained with Mouse Anti-Human TRA-1-60 Neuraminidase Resistant Epitope Monoclonal Antibody (Catalog # NB100-730, filled histogram) or isotype control antibody followed by Phycoerythrin-conjugated Anti-Mouse IgM Secondary Antibody (Catalog # F0116).



Western Blot: TRA-1-60 (R) Antibody (TRA-1-60(R)) [NB100-730] - Analysis of NB100-730 expression in NTERA-2 cl.D1 whole cell lysate.



Immunocytochemistry/Immunofluorescence: TRA-1-60 (R) Antibody (TRA-1-60(R)) [NB100-730] - Human embryonic stem cells stained with TRA-1-60 antibody (Cat# NB100-730) detected with Alexa Fluor 488 anti-mouse IgM secondary antibody.



Publications

McDowell CT, Klamer Z, Hall J et Al. Imaging Mass Spectrometry and Lectin Analysis of N-Linked Glycans in Carbohydrate Antigen-Defined Pancreatic Cancer Tissues Mol Cell Proteomics 2020-12-08 [PMID: 33581409]

Dawes P, Smullen M, Fernandez-Fontaine A et al. FlowSeq: A multiplexed quantitative approach to identify genes affecting cell type enrichment using mosaic CRISPR-Cas9 edited cerebral organoids Research Square 2022-08-01 [PMID: 36877372]

Wisniewski L, Braak S, Klamer Z et al. Heterogeneity of glycan biomarker clusters as an indicator of recurrence in pancreatic cancer Frontiers in oncology 2023-04-12 [PMID: 37124496] (IHC-P, Human)

McNeill RV, Radtke F, Nieberler M et al. Generation of four human induced pluripotent stem cells derived from ADHD patients carrying different genotypes for the risk SNP rs1397547 in the ADHD-associated gene ADGRL3 Stem cell research 2023-01-05 [PMID: 36640473] (ICC/IF, Mouse)

Details:

Dilution used in ICC 1:100

Lim ET, Chan Y, Dawes P et al. Orgo-Seq integrates single-cell and bulk transcriptomic data to identify cell type specific-driver genes associated with autism spectrum disorder Nature communications 2022-06-10 [PMID: 35688811] (FLOW, Human)

Nakano Y, Susa K, Yanagi T et al. Generation of NPHP1 knockout human pluripotent stem cells by a practical biallelic gene deletion strategy using CRISPR/Cas9 and ssODN In vitro cellular & developmental biology. Animal 2022-02-14 [PMID: 35165826]

McDowell CT, Klamer Z, Hall J, et al. Imaging Mass Spectrometry and Lectin Analysis of N-linked Glycans in Carbohydrate Antigen Defined Pancreatic Cancer Tissues Molecular & cellular proteomics : MCP 2020-11-24 [PMID: 33234532] (IHC-P, Human)

Lim E, Chan Y, Burns M et al. Data integration of bulk and single-cell transcriptomics from cerebral organoids and post-mortem brains to identify cell types and cell type specific driver genes in autism Research Square 2020-12-02 (FLOW, Human)

Barnett DM THE CA19-9 ANTIGEN AND STRA GLYCANS DEFINE INDEPENDENT PANCREATIC DUCTAL ADENOCARCINOMA SUBPOPULATIONS IMPROVING DIAGNOSTIC ACCURACY AND APPROACH TO PROGNOSTIC CLASSIFICATION Thesis 2020-01-01

Calabrese D, Roma G, Bergling S et al. Liver biopsy derived induced pluripotent stem cells provide unlimited supply for the generation of hepatocyte-like cells PLoS One. 2019-01-01 [PMID: 31465481] (ICC/IF, Human, Mouse)

Staal B, Liu Y, Barnett D et al. The sTRA Plasma Biomarker: Blinded Validation of Improved Accuracy over CA19-9 in Pancreatic Cancer Diagnosis Clin. Cancer Res. 2019-01-07 [PMID: 30617132] (ELISA, Human)

Palladino VS, Subrata NOC, Geburtig-Chiocchetti A et al. Generation of human induced pluripotent stem cell lines (hiPSC) from one bipolar disorder patient carrier of a DGKH risk haplotype and one non-risk-variant-carrier bipolar disorder patient. Stem Cell Res 2018-09-17 [PMID: 30266033] (ICC/IF, Human)

More publications at <http://www.novusbio.com/NB100-730>





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-730

NBL1-14562	Podocalyxin Like Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97007	Mouse IgM Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-730

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

