

Product Datasheet

CD44 Antibody (IM7) - BSA Free NBP1-41266

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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technical@novusbio.com

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NBP1-41266

CD44 Antibody (IM7) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	IM7
Preservative	15mM Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	Phosphate buffered saline (PBS), pH 7.4
Target Molecular Weight	95 kDa

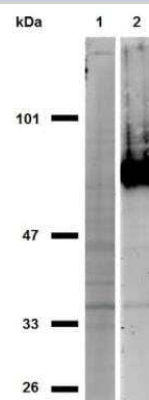
Product Description	
Description	Novus Biologicals Rat CD44 Antibody (IM7) - BSA Free (NBP1-41266) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-CD44 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	960
Gene Symbol	CD44
Species	Human, Mouse, Canine, Equine, Feline
Reactivity Notes	Cat (100%). Canine reactivity reported from a verified customer review.
Marker	Cell Membrane Marker
Specificity/Sensitivity	The rat monoclonal antibody IM7 reacts with CD44 antigen (Phagocyte glycoprotein 1), an 80-95 kDa transmembrane glycoprotein (hyaladherin family) present on the most of cells and tissues (leukocytes, endothelial cells, mesenchymal cells, etc.); it is negative on platelets and hepatocytes. The antibody reacts with all isoforms of mouse CD44.
Immunogen	Dexamethasone-induced cells of the SJL mouse spontaneous myeloid leukemia M1

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:50, Immunohistochemistry-Paraffin 1:200, Immunohistochemistry-Frozen 1:200, CyTOF-ready
Application Notes	This antibody is CyTOF ready.

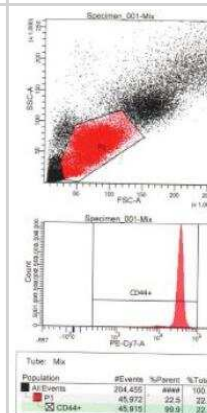


Images

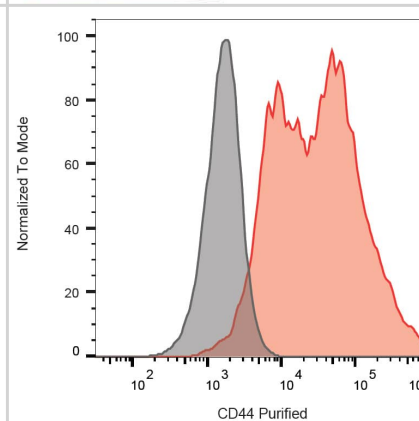
Western Blot: CD44 Antibody (IM7) [NBP1-41266] - Analysis of CD44 in HeLa cells (positive; lane 2) and MOLT-4 cells (negative; lane 1) using anti-CD44 (IM7) purified; non-reducing conditions.



Flow Cytometry: CD44 Antibody (IM7) [NBP1-41266] - Detection of T-cells in canine whole blood. Image from verified customer review.



Analysis of CD44 in HeLa cells (positive; lane 2) and MOLT-4 cells (negative; lane 1) using anti-CD44 (IM7) purified; non-reducing conditions.



Publications

Thangadurai M, Sethuraman S, Subramanian A A 2D inflammatory co-culture model for investigating synovial fibroblast and macrophage interactions in rheumatoid arthritis Scientific Reports 2025-08-17 [PMID: 40820240]

Haley M, Bere L, Minshull J et al. Hypoxia coordinates the spatial landscape of myeloid cells within glioblastoma to affect outcome bioRxiv 2023-06-30

Varn FS, Johnson KC, Martinek J Et al. Glioma progression is shaped by genetic evolution and microenvironment interactions Cell 2022-06-01 [PMID: 35649412] (IHC-P, Human)

Details:

Citation using the Alexa Fluor 647 version of this antibody.

Dogan A, Demirci S, Sahin F. In vitro differentiation of human tooth germ stem cells into endothelial- and epithelial-like cells Cell Biol. Int. 2014-07-31 [PMID: 25077982]



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 NBP1-41266

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
DDXCR03	Rat IgG2b 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.

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