

Product Datasheet

CD44 Antibody (IM7) - BSA Free NBP1-41266

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NBP1-41266

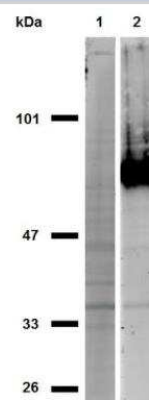
CD44 Antibody (IM7) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	IM7
Preservative	0.9% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	95 kDa
Product Description	
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, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, 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.

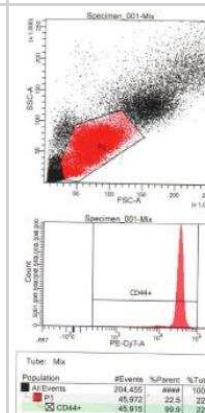


Images

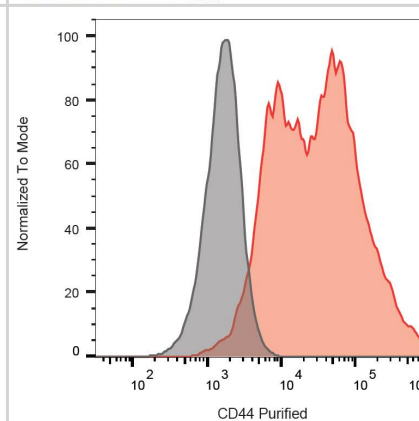
Western Blot: CD44 Antibody (IM7) [NBP1-41266] - Analysis of CD44 in HeLa cells (positive; lane 2) and MOLT-4 cells (negative; lane 1) using anti-CD44 (IM7) purified; non-reducing conditions.



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

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]



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Products Related to NBP1-41266

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
DDXCR03	Rat IgG2b Isotype Control
NBP1-41266APC	CD44 Antibody (IM7) [Allophycocyanin]

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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