

Product Datasheet

CD44 Antibody (MEM-263) [Alexa Fluor® 647] NB500-481AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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NB500-481AF647

CD44 Antibody (MEM-263) [Alexa Fluor® 647]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	MEM-263
Preservative	0.05% Sodium Azide
Isotype	IgG1
Conjugate	Alexa Fluor 647
Purity	Protein A purified
Buffer	50mM Sodium Borate

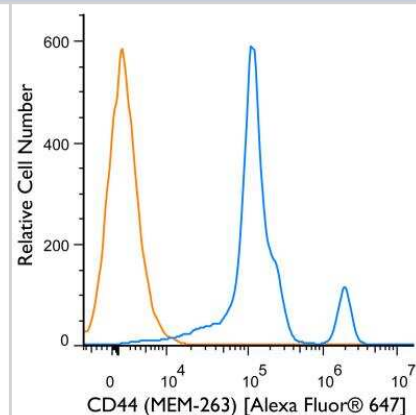
Product Description	
Host	Mouse
Gene ID	960
Gene Symbol	CD44
Species	Human, Porcine, Canine
Marker	Cell Membrane Marker
Specificity/Sensitivity	The antibody MEM-263 reacts with extracellular (N-terminal) domain of standard CD44 (Phagocyte glycoprotein 1), a 80-95 kDa transmembrane glycoprotein (hyaladherin family) present on the most of cells and tissues (leukocytes, endothelial cells, mesenchymal cells, etc.); it is negative on platelets and hepatocytes. HLDA III; WS Code T 155
Immunogen	COS-7 cells, African Green Monkey (NM_000610.3).
Notes	<p>Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.</p>

Product Application Details

Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, CyTOF-ready

Images

Flow Cytometry: CD44 Antibody (MEM-263) [Alexa Fluor 647] [NB500-481AF647] - A surface stain was performed on hPBMCs with CD44 (MEM-263) antibody NB500-481AF647 (blue) and a matched isotype control NBP2-27287AF647 (orange). Cells were incubated in an antibody dilution of 1 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Publications

S Müller, A Versini, F Sindikubwa, G Belthier, S Niyomchon, J Pannequin, L Grimaud, T Cañeque, R Rodriguez Metformin reveals a mitochondrial copper addiction of mesenchymal cancer cells PLoS ONE, 2018-11-06;13 (11):e0206764. 2018-11-06 [PMID: 30399175]

Solier S, Müller S, Cañeque T et al. A druggable copper-signalling pathway that drives inflammation Nature 2023-04-26 [PMID: 37100912] (FLOW, Human)

MUller, S, Sindikubwabo, F Et al. CD44 regulates epigenetic plasticity by mediating iron endocytosis. Nat Chem 2020 -10-01 [PMID: 32747755] (IF/IHC, Mouse)



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Products Related to NB500-481AF647

NBP1-97005AF647	Mouse IgG1 Isotype Control (MG1) [Alexa Fluor® 647]
NB500-481AF700	CD44 Antibody (MEM-263) [Alexa Fluor® 700]
NBP1-84578PEP	CD44 Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]

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

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