

Product Datasheet

CD133 Antibody [DyLight 488] NB120-16518G

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB120-16518G

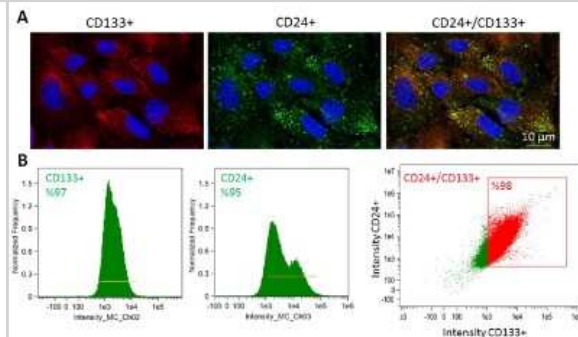
CD133 Antibody [DyLight 488]

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. Do not freeze.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	DyLight 488
Purity	Immunogen affinity purified
Buffer	50mM Sodium Borate
Product Description	
Description	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.
Host	Rabbit
Gene ID	8842
Gene Symbol	PROM1
Species	Human, Mouse, Rat, Porcine
Reactivity Notes	porcine reactivity reported in scientific literature (PMID: 29352176).
Marker	Stem Cell Marker
Specificity/Sensitivity	CD133 - Hematopoietic Stem Cell Marker
Immunogen	Synthetic peptide corresponding to a C-terminal region of CD133 (within amino acids 750-865).
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Chromatin Immunoprecipitation (ChIP)
Application Notes	ELISA: 1/1000. WB: 1/1,000 - 1:2,000. Detects a band of approximately 120 kDa (predicted molecular weight: 97 kDa). IHC: Citrate buffer antigen retrieval required. ICC/IF: Fix with 3% paraformaldehyde for 20 min at RT. Optimal dilutions/concentrations should be determined by the end user.

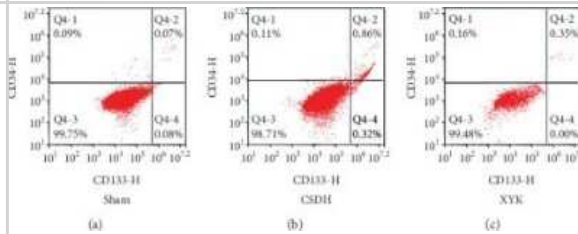


Images

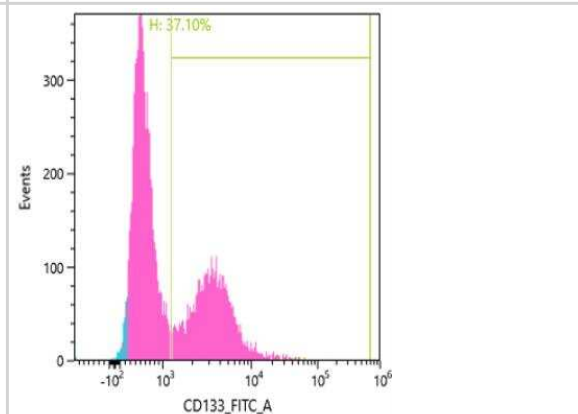
Immunocytochemistry/Immunofluorescence: CD133 Antibody [DyLight 488] [NB120-16518G] - Characterization of Scattered tubular-like cells (STCs) isolated from pig kidneys. A) Representative immunofluorescence staining (original magnification 40X) for the STC surface markers CD133 NB120-16518G (red) and CD24 (green) in isolated swine STCs. B) Flow cytometry analysis of isolated STCs showing that 97% of cells expressed CD133, 95% CD24, and 98% were double-positive for CD133 and CD24 (n = 3 each). Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31614781/>) licensed under a CC-BY license.



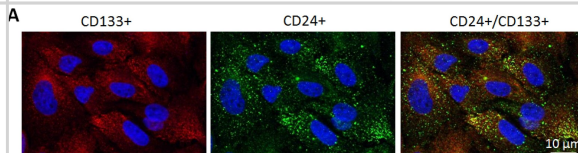
Flow Cytometry: CD133 Antibody [DyLight 488] [NB120-16518G] - Percent of EPCs (CD133 + CD34 +) reduced in the XYK group detected by flow cytometry. Data are mean +/-SD analyzed by one-way analysis of variance. **P < 0.01. CSDH, chronic subdural hematoma; EPC, endothelial progenitor cell; XYK, Xiaoyukang Jiaonang. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32328124/>) licensed under a CC-BY license.



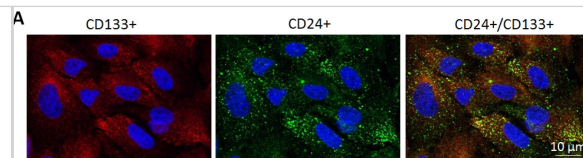
Flow Cytometry: CD133 Antibody [DyLight 488] [NB120-16518G] - Flow Cytometry: CD133 Antibody (DyLight488) [NB120-16518G] - Rat bone marrow cells were stained with CD133 (1:100) antibody (20 minutes at 4C), fixed, and then analyzed.



Characterization of Scattered tubular-like cells (STCs) isolated from pig kidneys. (A) Representative immunofluorescence staining (original magnification 40X) for the STC surface markers CD133 (red) and CD24 (green) in isolated swine STCs. (B) Flow cytometry analysis of isolated STCs showing that 97% of cells expressed CD133, 95% CD24, and 98% were double-positive for CD133 and CD24 (n = 3 each).



Immunocytochemistry/ Immunofluorescence: CD133 Antibody [DyLight 488] [NB120-16518G] - Characterization of Scattered tubular-like cells (STCs) isolated from pig kidneys. (A) Representative immunofluorescence staining (original magnification 40X) for the STC surface markers CD133 (red) & CD24 (green) in isolated swine STCs. (B) Flow cytometry analysis of isolated STCs showing that 97% of cells expressed CD133, 95% CD24, & 98% were double-positive for CD133 & CD24 (n = 3 each). Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31614781>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Liu J, Dong X, Li Z et al. Xiaoyukang Jiaonang Promotes the Degradation of Hypoxia-Inducible Factor 1alpha and Antiangiogenesis and Anti-Inflammation in Chronic Subdural Hematoma Rat Model Evid Based Complement Evid Based Complement Alternat Med. [PMID: 32328124] (FLOW, Rat)



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Products Related to NB120-16518G

NBP2-24891G	Rabbit IgG Isotype Control [DyLight 488]
NB120-16518C	CD133 Antibody [DyLight 650]
NBP2-44250PEP	CD133 Antibody Blocking Peptide
DVE00	VEGF [HRP]

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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