

Product Datasheet

PMEL17/SILV Antibody (HMB45) [DyLight 488] NBP2-34638G

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-34638G

PMEL17/SILV Antibody (HMB45) [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 in the dark.
Clonality	Monoclonal
Clone	HMB45
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	DyLight 488
Purity	Protein A or G 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	Mouse
Gene ID	6490
Gene Symbol	PMEL
Species	Human, Canine (Negative), Rat (Negative)
Reactivity Notes	Does not react with Canine or Rat.
Marker	Melanoma Marker
Specificity/Sensitivity	The gp100 molecule is a 100kDa glycosylated protein that is cleaved into a small (26kDa) carboxy-terminal fragment and a larger amino- terminal section (6038kDa fragments. By immunohistochemistry, it specifically recognizes a protein in melanocytes and melanomas. This monoclonal antibody reacts with junctional and blue nevus cells and variably with fetal and neonatal melanocytes. Intradermal nevi, normal adult melanocytes, and non-melanocytic cells are negative. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin. Metastatic amelanotic melanoma can often be confused with a variety of poorly differentiated carcinomas, large cell lymphomas, and sarcomas using H E stains alone. It is also difficult to differentiate melanoma from spindle cell carcinomas and various types of mesenchymal neoplasms. This monoclonal antibody stains fetal and neonatal melanocytes, junctional and blue nevus cells, and malignant melanoma. This monoclonal antibody also stains Angiomyolipoma (PEComa).
Immunogen	Extract of pigmented melanoma metastases from lymph nodes
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Multiplex Immunoassay



Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Flow (Intracellular), CyTOF-ready, Multiplex Immunoassay
Application Notes	Use in Multiplex Immunoassay reported in scientific literature (PMID: 31942075).

Publications

Anna Lorentzen, Paul F. Becker, Jan Kosla, Massimo Saini, Kathrin Weidele, Paolo Ronchi, Corinna Klein, Monika J. Wolf, Felix Geist, Bastian Seubert, Marc Ringelhan, Daniela Mihic-Probst, Knud Esser, Marko Roblek, Felix Kuehne, Gaia Bianco, Tracy O'Connor, Quentin Müller, Kathleen Schuck, Sebastian Lange, Daniel Hartmann, Saskia Spaich, Olaf Groß, Jochen Utikal, Sebastian Haferkamp, Martin R. Sprick, Amruta Damle-Vartak, Alexander Hapfelmeier, Norbert Hüser, Ulrike Protzer, Andreas Trumpp, Dieter Saur, Nachiket Vartak, Christoph A. Klein, Bernhard Polzer, Lubor Borsig, Mathias Heikenwalder Single cell polarity in liquid phase facilitates tumour metastasis Nature Communications 2018-02-28 [PMID: 29491397]





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Products Related to NBP2-34638G

NBP1-43319G-0.5ml	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 488]
NBP2-38185PEP	PMEL17/SILV Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
NBL1-15968	PMEL17/SILV Overexpression Lysate

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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