

# Product Datasheet

## PMEL17/SILV Antibody (HMB45) [Alexa Fluor® 488] NBP2-34638AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34638AF488**

PMEL17/SILV Antibody (HMB45) [Alexa Fluor® 488]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	HMB45
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Alexa Fluor 488
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	6490
<b>Gene Symbol</b>	PMEL
<b>Species</b>	Human, Canine (Negative), Rat (Negative)
<b>Reactivity Notes</b>	Does not react with Canine or Rat.
<b>Marker</b>	Melanoma Marker
<b>Specificity/Sensitivity</b>	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. Intra-dermal 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).
<b>Immunogen</b>	Extract of pigmented melanoma metastases from lymph nodes



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

### Publications

Loreth D, Schuette M, Zinke J et al. CD74 and CD44 Expression on CTCs in Cancer Patients with Brain Metastasis International Journal of Molecular Sciences 2021-06-29 [PMID: 34209696]





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### **Products Related to NBP2-34638AF488**

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IC002G	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 488]
NBP2-38185PEP	PMEL17/SILV Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
NBL1-15968	PMEL17/SILV Overexpression Lysate

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### **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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