

# Product Datasheet

## PMEL17/SILV Antibody (HMB45 + PMEL/783) [Janelia Fluor® 646] NBP2-47780JF646

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47780JF646**

PMEL17/SILV Antibody (HMB45 + PMEL/783) [Janelia Fluor® 646]

<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 + PMEL/783
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa/IgG1 Kappa
<b>Conjugate</b>	Janelia Fluor 646
<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
<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 (60-64 kDa), which is subsequently cleaved to generate 26kDa and 34-38kDa. 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).
<b>Immunogen</b>	Extract of pigmented melanoma metastases from lymph nodes (HMB45); Recombinant human SILV protein (PMEL/783) (Uniprot: P40967)
<b>Notes</b>	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP2-47780JF646**

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NBP2-38185PEP	PMEL17/SILV Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
NBL1-15968	PMEL17/SILV Overexpression Lysate
MAB1417	Insulin Antibody (182410) [Unconjugated]

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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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