

Mouse PMEL Monoclonal Antibody | anti-PMEL antibody

PMEL antibody

CATALOG #	HOST	APPLICATIONS
AAA108077	Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

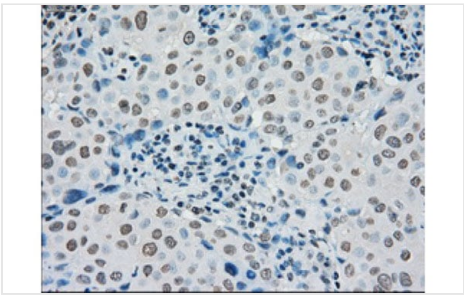
PRODUCT SYNONYMS

PMEL; Monoclonal Antibody; PMEL antibody; Monoclonal PMEL; Anti-PMEL; Premelanosome protein; D12S53E; PMEL17; SILV; gp100; Melanocyte protein Pmel 17; Pmel17; Melanocyte protein mel 17; anti-PMEL antibody

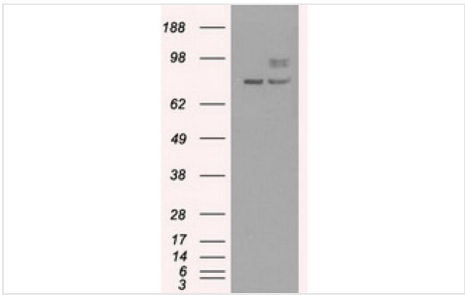
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	10 E5
Purity/Purification	PMEL antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	437
Applicable Applications for anti-PMEL antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	This gene encodes a melanocyte-specific type I transmembrane glycoprotein. The encoded protein is enriched in melanosomes, which are the melanin-producing organelles in melanocytes, and plays an essential role in the structural organization of premelanosomes. This protein is involved in generating internal matrix fibers that define the transition from Stage I to Stage II melanosomes. This protein undergoes a complex pattern of posttranslational processing and modification that is essential to the proper functioning of the protein. A secreted form of this protein that is released by proteolytic ectodomain shedding may be used as a melanoma-specific serum marker.
Cross-Reactivity	Human, Dog, Rat, Monkey
Immunogen	PMEL antibody was raised in mouse using a protein expressed in 293T cell transfected with human SILV expression vector as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemical analysis of PMEL protein in paraffin embedded Adenocarcinoma of Human breast tissue using PMEL antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PMEL protein (Right) or empty vector (Left) detected with PMEL antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PMEL antibody	Mouse monoclonal PMEL antibody
Product Categories/Family for anti-PMEL antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	633265762
Molecular Weight	46,671 Da
NCBI Official Full Name	PMEL, partial
UniProt Protein Name	PMEL
UniProt Gene Name	pmel
UniProt Entry Name	A0A059U0A4_BOSMU

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pmel-antibody-clone-10-e5-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/108077>