

Mouse PMEL Monoclonal Antibody | anti-PMEL antibody

PMEL antibody

CATALOG # AAA108133	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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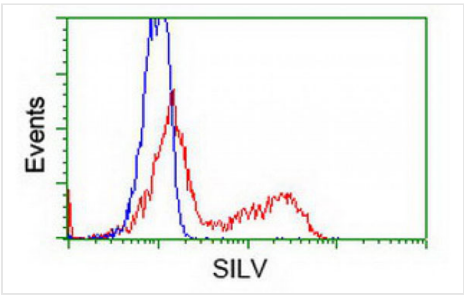
PRODUCT SYNONYMS

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	7 E3
Purity/Purification	PMEL antibody was purified by affinity chromatography.
Form/Format	Supplied as liquid in PBS, pH 7.3, with 1% BSA, 50% glycerol and 0.02% NaN ₃ .
Concentration	1.0mg/mL (varies by lot)
Sequence Length	437
Applicable Applications for anti-PMEL antibody	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
Immunogen	PMEL antibody was raised in mouse using a full length recombinant protein of human SILV (NP_008859) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Upon receipt, store at -20°C. Stable for 12 months from date of receipt.

IMAGES



FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant PMEL protein (red) or empty vector (blue) stained using PMEL antibody

ADDITIONAL INFORMATION

Product Categories/Family for anti-PMEL antibody	Cell Biology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	633265762
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-7-e3-flow-cytometry-elisa/108133>