PMEL recombinant antibody

Anti-PMEL Reference Antibody (Genentech anti-PMEL17) Recombinant Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA297666	**CHO Cell**	**Rat, Human, Mouse**	**Flow Cytometry**

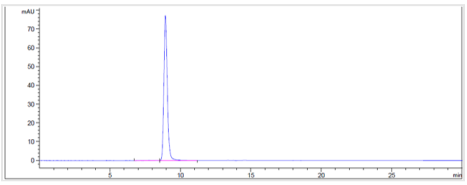
PRODUCT SYNONYMS

PMEL; Monoclonal Recombinant Antibody; Anti-PMEL Reference Antibody (Genentech anti-PMEL17) Recombinant Antibody; D12S53E; PMEL17; SILV; PMEL recombinant antibody

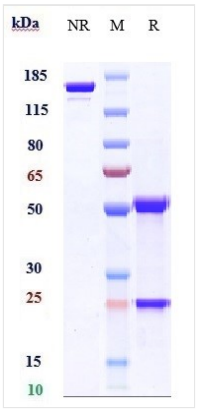
PRODUCT SPECIFICATIONS

Host	CHO Cell
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	PMEL
Form/Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.
Applicable Applications for PMEL recombinant antibody	FCM (Flow Cytometry), Kinetics, Animal Model
Endotoxin	< 0.001EU/ug,determined by LAL method.
Conjugation	Unconjugated
Preparation and Storage	Store at -20C in small aliquots to prevent freeze-thaw cycles.

IMAGES



Application Data
The purity of Anti-PMEL Reference Antibody (Genentech anti-PMEL17)is more than 99.73% ,determined by SEC-HPLC.



SDS-PAGE
Anti-PMEL Reference Antibody (Genentech anti-PMEL17) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

ADDITIONAL INFORMATION

Related Product Information for PMEL recombinant antibody	Function: Forms physiological amyloids that play a central role in melanosome morphogenesis and pigmentation. The maturation of unpigmented premelanosomes from stage I to II is marked by assembly of processed amyloidogenic fragments into parallel fibrillar sheets, which elongate the vesicle into a striated ellipsoidal shape. In pigmented stage III and IV melanosomes, the amyloid matrix serves as a platform where eumelanin precursors accumulate at high local concentrations for pigment formation. May prevent pigmentation-associated toxicity by sequestering toxic reaction intermediates of eumelanin biosynthesis pathway. Cellular Location: Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus, cis-Golgi network membrane; Single-pass type I membrane protein. Endosome, multivesicular body. Melanosome Extracellular vesicle. Secreted. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065) Localizes predominantly to intralumenal vesicles (ILVs) within multivesicular bodies. Associates with ILVs found within the lumen of premelanosomes and melanosomes and particularly in compartments that serve as precursors to the striated stage II premelanosomes (PubMed:11694580, PubMed:12643545). Sorted to stage I melanosomes following its processing in the ER and cis-Golgi (PubMed:15096515) Transiently expressed at the cell surface before targeting to early melanosomes (PubMed:16760433, PubMed:30988362). Colocalizes with BACE2 in stage I and II melanosomes (PubMed:23754390). Colocalizes with CD63 and APOE at exosomes and in intraluminal vesicles within multivesicular endosomes (PubMed:21962903, PubMed:26387950) Tissue Location Normally expressed at low levels in quiescent adult melanocytes but overexpressed by proliferating neonatal melanocytes and during tumor growth. Overexpressed in melanomas. Some expression was found in dysplastic nevi.
Product Categories/Family for PMEL recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	2507099
NCBI GeneID	6490
UniProt Accession #	P40967; Q12763; Q14448; Q14817; Q16565; B3KS57; B7Z6D7
Molecular Weight	145.54 KDa
NCBI Official Full Name	Melanocyte protein PMEL
NCBI Official Synonym Full Names	premelanosome protein
NCBI Official Symbol	PMEL
NCBI Official Synonym Symbols	P1; SI; SIL; ME20; P100; SILV; ME20M; gp100; ME20-M; PMEL17; D12S53E
NCBI Protein Information	melanocyte protein PMEL; melanocyte protein mel 17; silver, mouse, homolog of; melanocyte protein Pmel 17; melanosomal matrix protein17; silver locus protein homolog; melanoma-associated ME20 antigen; melanocytes lineage-specific antigen GP100
UniProt Protein Name	Melanocyte protein PMEL
UniProt Gene Name	**PMEL**
UniProt Synonym Gene Names	D12S53E; PMEL17; SILV; ME20M; ME20-S; ME20S
UniProt Entry Name	PMEL_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/monoclonal/pmel-recombinant-antibody-flow-cytometry-elisa/297666