Recombinant Melanocyte protein PMEL Antibody

Rabbit Monoclonal Antibody [Clone PMEL17/8095R]

Catalog No	Format	Size
6490-RBM18-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6490-RBM18-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6490-RBM18-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

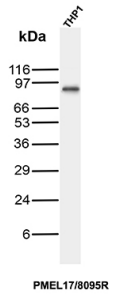
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	PMEL17/8095R
Immunogen	Recombinant full-length human gp100 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	70.25kDa
Cellular Localization	cis-Golgi network membrane, Endoplasmic reticulum membrane, Endosome, Extracellular vesicle, Golgi apparatus, Melanosome, Multivesicular body, Secreted
Species Reactivity	Human
Positive Control	Normally expressed at low levels in quiescent adult melanocytes but overexpressed by proliferating neonatal melanocytes and during tumor growth

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Melanocyte protein PMEL Antibody



Western blot analysis of THP-1 cell lysates using PMEL17 Recombinant Rabbit Monoclonal Antibody (PMEL17/8095R).

Specificity & Comments

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., Represents a potent melanoma-specific antigen. Among melanoma non-mutated self-peptides, G9-154 (KTWGQYWQV), G9-209 (ITDQVPFSV) and G9-280 (YLEPGPVTA), appear to act as immunodominant common epitopes that stimulate anti-tumor immune response mediated by HLA-A restricted cytotoxic T cells.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.