

## Anti-Melanoma gp100/Pmel Picoband® Antibody PE Conjugated

Catalog Number: A01262-2-PE

### About Pmel

Melanocyte protein PMEL also known as premelanosome protein (PMEL) or silver locus protein homolog (SILV) is a protein that in humans is encoded by the PMEL gene. It is mapped to 10 D3; 10 77.13 cM. 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. Alternate splicing results in multiple transcript variants.

### Overview

Product Name	Anti-Melanoma gp100/Pmel Picoband® Antibody PE Conjugated
Reactive Species	Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q60696

### Technical Details

Immunogen	E.coli-derived mouse Melanoma gp100/Pmel recombinant protein (Position: S27-V626).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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