

## Anti-Melanoma gp100/PMEL Antibody Picoband® Fluoro550 Conjugated

Catalog Number: A01262-1-Fluoro550

### About PMEL

This gene is mapped to 12q13.2. It 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 Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
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	P40967

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Melanoma gp100/PMEL, which shares 71.4% and 65.7% amino acid (aa) sequence identity with mouse and rat Melanoma gp100/PMEL, respectively.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm

	Emission Wavelength: 576 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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