

PMEL/Melanoma gp100 (HMB45) (AB1395) mouse mAb

W0417

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse;

Applications

- IHC; WB; IF; ELISA

MW

- 70 kDa (calculated)
- 80 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1395

Immunogen A synthetic peptide corresponding to the amino acid region 400 - 500 of the human PMEL/Melanoma gp100 protein.

Specificity The antibody can specifically recognize human PMEL protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name PMEL

Protein Name PMEL/Melanoma gp100

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P40967	6490

Background PMEL is a type I transmembrane glycoprotein which is specific in melanocyte. PMEL is abundantly expressed in melanosomes, and plays a central role in the biogenesis of melanosomes by involved in the maturation of melanosomes from stage I to II. It is highly expressed in all stages of melanoma progression, so the PMEL antibody can specifically labels melanoma cells.