

Datasheet for ABIN6938388 **anti-Melanoma gp100 antibody**

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Overview

Quantity:	100 µg
Target:	Melanoma gp100 (PMEL)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Melanoma gp100 antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Extract of pigmented melanoma metastases from lymph nodes
Clone:	HMB45
Isotype:	IgG1 kappa
Specificity:	The gp100 Molecule is a 100 kDa glycosylated protein that is cleaved into a small (26 kDa) carboxy-terminal fragment and a larger amino- terminal section (60â€"64 kDa), which is subsequently cleaved to generate 26 kDa and 34â€"38 kDa fragments. By immunohistochemistry, it specifically recognizes a protein in melanocytes and melanomas. This MAb reacts with junctional and blue nevus cells and variably with fetal and neonatal melanocytes. Intradermal nevi, normal adult melanocytes, and non-melanocytic cells are negative. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin. Metastatic amelanotic melanoma can often be confused with a variety of poorly differentiated carcinomas, large cell lymphomas, and sarcomas using H E stains alone. It is also difficult to

Product Details

	differentiate melanoma from spindle cell carcinomas and various types of mesenchymal neoplasms. This MAb stains fetal and neonatal melanocytes, junctional and blue nevus cells, and malignant melanoma. This MAb also stains Angiomyolipoma (PEComa).
No Cross-Reactivity:	Dog (Canine), Rat (Rattus)
Cross-Reactivity (Details):	Human. Does not react with Dog or Rat.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	Melanoma gp100 (PMEL)
Alternative Name:	SILV (PMEL Products)
Background:	95 kDa melanocyte-specific secreted glycoprotein, M-beta, Melanocyte lineage specific antigen GP100, Melanocyte protein Pmel 17, Melanoma associated ME20 antigen, Melanosomal matrix protein17, p100, p26, PMEL17, Premelanosome protein, Secreted melanoma-associated ME20 antigen, SILV, Silver homolog,gp100 / Melanosome / PMEL17 / SILV (Melanoma Marker) Cellular localisation: Cytoplasmic
Molecular Weight:	26-100kDa
Gene ID:	6490, 95972
UniProt:	P40967

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (2-4 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined. Positive_Control: CACO-38 or SK-MEL-28 cells. Melanoma.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Handling

Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months