

Datasheet for ABIN6938385

anti-Melanoma gp100 antibody (AA 376-502)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Melanoma gp100 (PMEL)
Binding Specificity:	AA 376-502
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Melanoma gp100 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Formalin-fixed Sections) (IHC (f)), Coating (Coat)

Product Details

Immunogen:	A recombinant fragment (around aa 376-502) of human SILV protein (exact sequence is proprietary)
Clone:	PMEL-2037
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 (60-64 kDa), which is subsequently cleaved to generate 26 kDa and 34-38 kDa fragments. Cytotoxic T lymphocytes (CTL s) recognize melanoma-associated antigens, which belong to three main groups. These groups include tumor-associated testis-specific antigens, melanocyte differentiation antigens and mutated or aberrantly expressed antigens, which are routinely used as markers to identify

Product Details

melanomas based on their binding to specific monoclonal antibodies. gp100, also designated ME20-M, ME20-S and PMEL 17, is classified as a melanocyte differentiation antigen and is expressed at low levels in normal cell lines and tissues, but is upregulated in melanocytes. gp100 is a highly glycosylated protein. It is also the product of proteolytic cleavage, which results in a secreted protein.

Cross-Reactivity (Details):	Human.
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, Premelanosome protein (PMEL17), 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: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), 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
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Handling

Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
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