

Mouse gp100/Melanosome/PMEL17/SILV Monoclonal Antibody | anti-gp100 antibody

gp100/Melanosome/PMEL17/SILV (Melanoma Marker)

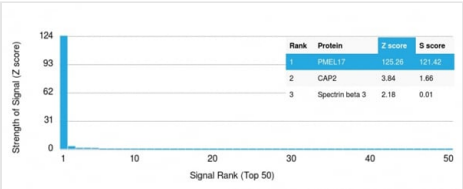
CATALOG # AAA214683	HOST Mouse	REACTIVITY Human. Others not tested.	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

gp100/Melanosome/PMEL17/SILV; Monoclonal Antibody; gp100/Melanosome/PMEL17/SILV (Melanoma Marker); 95kDa 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; anti-gp100 antibody

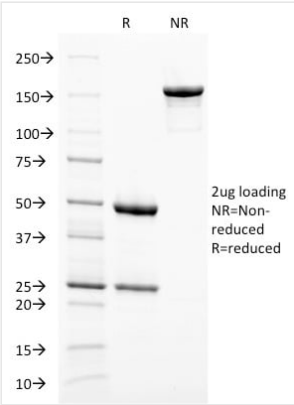
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not tested.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	PMEL/2038
Specificity	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 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.
Form/Format	200ug/ml of Ab purified from bioreactor concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	575
Applicable Applications for anti-gp100 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human SILV protein fragment (around aa 376-502)
Cellular Localization	Cytoplasmic
Hu-chromosome Location	12q13.2
Positive Control	SK-MEL-28 cells or Melanoma



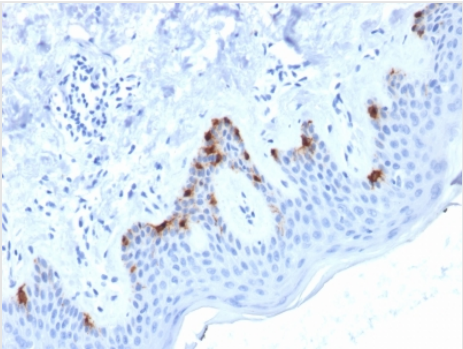
Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using gp100 Mouse Monoclonal Antibody (PMEL/2038). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



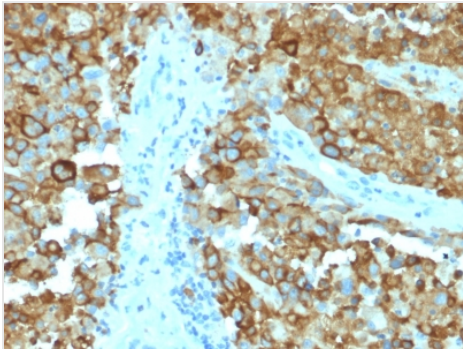
SDS-PAGE

SDS-PAGE Analysis Purified gp100 Mouse Monoclonal Antibody (PMEL/2038). Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Skin stained with gp100 Mouse Monoclonal Antibody (PMEL/2038).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Melanoma stained with gp100 Mouse Monoclonal Antibody (PMEL/2038).

ADDITIONAL INFORMATION

References	Adema, G.J., et al. 1994. Molecular characterization of the melanocyte lineage-specific antigen gp100. J. Biol. Chem. 269: 20126-20133.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	318037593
NCBI GeneID	6490
NCBI Accession #	NP_001186982.1
NCBI GenBank Nucleotide #	NM_001200053.1
UniProt Accession #	P40967; Q12763; Q14448; Q14817; Q16565; B3KS57; B7Z6D7
Molecular Weight	90-100kDa
NCBI Official Full Name	melanocyte protein PMEL isoform 2
NCBI Official Synonym Full Names	premelanosome protein
NCBI Official Symbol	PMEL
NCBI Official Synonym Symbols	P1; SI; SIL; ME20; P100; SILV; ME20M; gp100; ME20-M; PMEL17; D12S53E
NCBI Protein Information	melanocyte protein PMEL

UniProt Protein Name	Melanocyte protein PMEL
UniProt Gene Name	PMEL
UniProt Synonym Gene Names	D12S53E; PMEL17; SILV; ME20M; ME20-S; ME20S

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gp100-melanosome-pmel17-silv-antibody-clone-pmel-2038-immunohistochemistry-elisa/214683>