

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

gp100/Melanosome/PMEL17/SILV (Melanoma Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214515	Rabbit	Human.Does not react with Dog and Rat. Others not tested.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

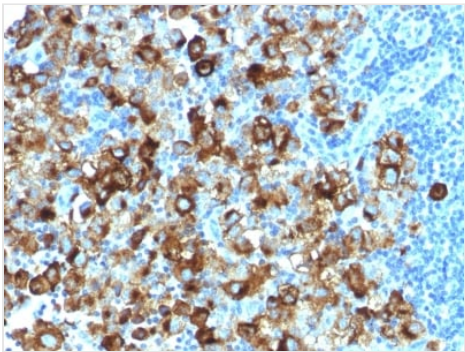
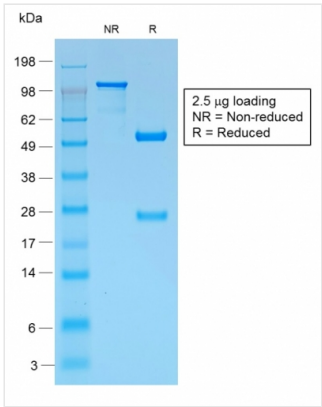
PRODUCT SYNONYMS

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; p100; p26; PMEL17; Premelanosome protein; Secreted melanoma-associated ME20 antigen; SILV; Silver homolog; anti-gp100 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human. Does not react with Dog and Rat. Others not tested.
Clonality	Monoclonal
Isotype	IgG
Clone Number	PMEL1825R
Specificity	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 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).
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), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human SILV protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	12q13.2
Positive Control	SK-MEL-28 cells or Melanoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Melanoma stained with gp100 Rabbit Recombinant Monoclonal Antibody (PMEL/1825R).

SDS-PAGE
SDS-PAGE Analysis Purified gp100 Rabbit Recombinant Monoclonal Antibody (PMEL/1825R).

ADDITIONAL INFORMATION

References	Gown AM, et. al. American Journal of Pathology, 1986, 123(2):195-203. Esclamado RM, et. al. American Journal of Surgery, 1986, 152(4):376-85.
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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-1825r-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/214515>