

Rabbit MART-1/Melan-A/MLANA Monoclonal Antibody | anti-MLANA antibody

MART-1/Melan-A/MLANA (Melanoma Marker)

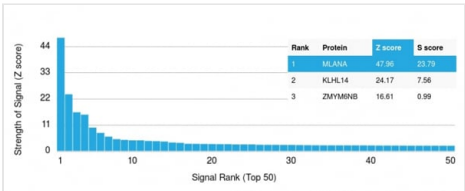
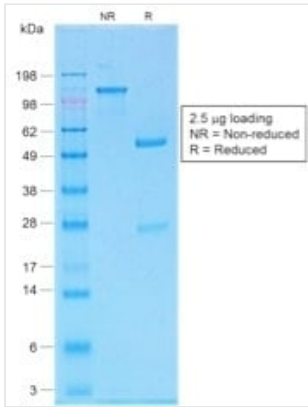
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62981	Rabbit	Human, Mouse, Rat. Others not tested.	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

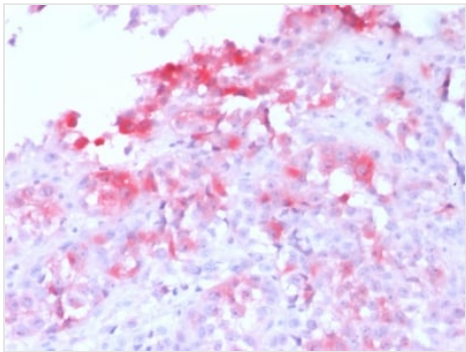
MART-1/Melan-A/MLANA; Monoclonal Antibody; MART-1/Melan-A/MLANA (Melanoma Marker); Antigen LB39-AA; Antigen SK29-AA; Melanoma antigen recognized by T-cells 1; MLAN-A; MLANA; anti-MLANA antibody

PRODUCT SPECIFICATIONS

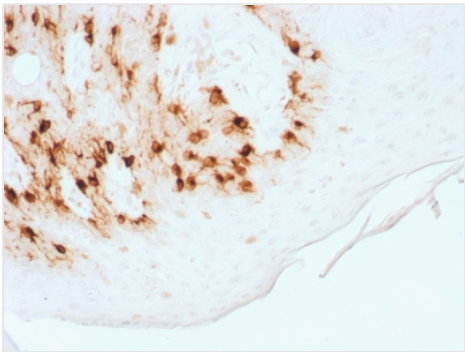
Host	Rabbit
Reactivity	Human, Mouse, Rat. Others not tested.
Clonality	Monoclonal
Isotype	IgG
Clone Number	MLANA/1761R
Specificity	This antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T cells 1) or Melan-A. MART-1 is a newly identified melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. Seven other melanoma associated antigens recognized by autologous cytotoxic T cells include MAGE-1, MAGE-3, tyrosinase, gp100, gp75, BAGE-1, and GAGE-1. Subcellular fractionation shows that MART-1 is present in melanosomes and endoplasmic reticulum. This MAb labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.
Form/Format	200ug/ml of Ab purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	118
Applicable Applications for anti-MLANA antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human MLANA protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	9p24.1
Positive Control	SK-MEL-13 and SK-MEL-19 Melanoma cell lines; Melanomas
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.



Application Data
Analysis of Protein Array containing more than 19,000 full-length human proteins using MART-1 (MLANA) Rabbit Monoclonal Antibody (MLANA/1761R) 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 HuProt™ 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 HuProt™ 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.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Melanoma stained with MART-1 Rabbit Monoclonal Antibody (MLANA/1761R) (AP-Fast Red)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Skin stained with MART-1 Rabbit Monoclonal Antibody (MLANA/1761R) (HRP-DAB)

ADDITIONAL INFORMATION

References	Chen Y-T, et. al. Proc Natl Acad Sci, USA, 1996, 93:5915-19.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031913
NCBI GeneID	2315
NCBI Accession #	NP_005502.1
NCBI GenBank Nucleotide #	NM_005511.1
UniProt Accession #	Q16655; Q6ICU4
Molecular Weight	20-22kDa (doublet)
NCBI Official Full Name	melanoma antigen recognized by T-cells 1
NCBI Official Synonym Full Names	melan-A
NCBI Official Symbol	MLANA
NCBI Official Synonym Symbols	MART1; MART-1
NCBI Protein Information	melanoma antigen recognized by T-cells 1

UniProt Protein Name	Melanoma antigen recognized by T-cells 1
UniProt Gene Name	MLANA
UniProt Synonym Gene Names	MART1; MART-1

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/mart-1-melan-a-mlana-antibody-clone-mlana-1761r-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62981>