

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

MART-1 / Melan-A / MLANA (Melanoma Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62664	Mouse	Human, Horse. Does not react with Mouse and Rat. Others not tested	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

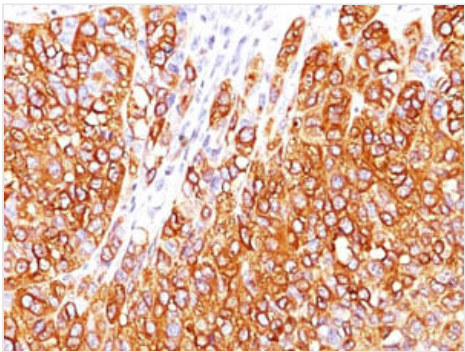
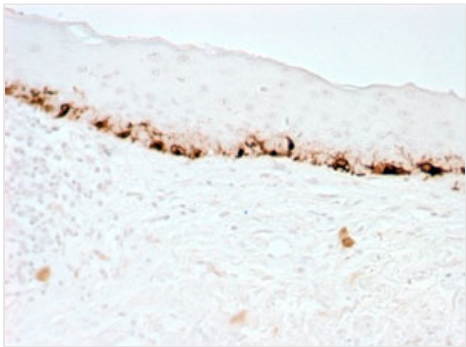
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

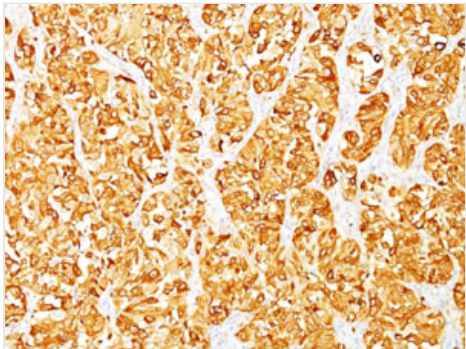
Host	Mouse
Reactivity	Human, Horse. Does not react with Mouse and Rat. Others not tested
Clonality	Monoclonal
Isotype	IgG2b, lambda
Clone Number	M2-7C10
Specificity	This antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T cells 1) or Melan-A. MART-1 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 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	118
Applicable Applications for anti-MLANA antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	Recombinant hMART-1 protein
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°C. A Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data
Formalin-fixed, paraffin-embedded human Skin stained with MART-1 Monoclonal Antibody (M2-7C10).

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Melanoma stained with MART-1 Monoclonal Antibody (M2-7C10).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Melanoma stained with MART-1 Monoclonal Antibody (M2-7C10).

ADDITIONAL INFORMATION

References	Kawakami Y, et. al. Journal of Immunological Methods, 1997, 202(1):13-25. Marincola FM, et. al. Journal of Immunotherapy with Emphasis on Tumor Immunology, 1996, 19(3):192-205
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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
UniProt Entry Name	MAR1_HUMAN

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-m2-7c10-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62664>