

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
AAA62530	Mouse	Human, Mouse, Rat	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

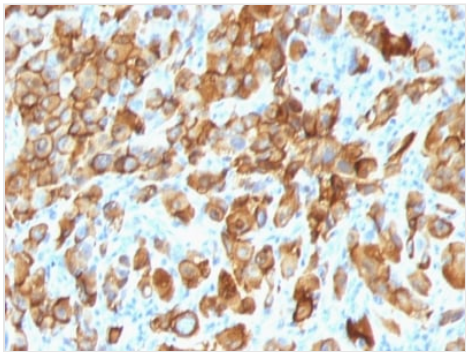
PRODUCT SYNONYMS

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, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	SPM540
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), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant hMART-1 protein
Cellular Localization	Endoplasmic reticulum membrane, Golgi apparatus, Melanosome, trans-Golgi network membrane
Positive Control	SK-MEL-13 and SK-MEL-19 melanoma cell lines. Human melanoma tissues.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Melanoma stained with Melan-A Monoclonal Antibody (SPM540).

ADDITIONAL INFORMATION

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

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.