

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

MART-1/Melan-A/MLANA (Melanoma Marker) Mouse Monoclonal Antibody [Clone DT101 + BC199]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215651	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

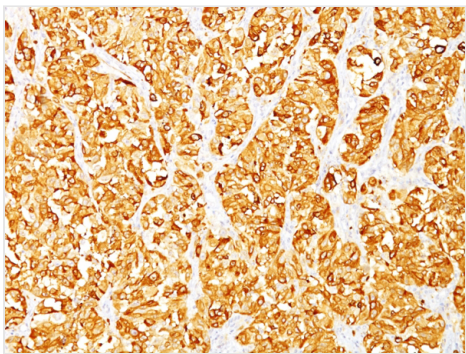
PRODUCT SYNONYMS

MART-1/Melan-A/MLANA; Monoclonal Antibody; MART-1/Melan-A/MLANA (Melanoma Marker) Mouse Monoclonal Antibody [Clone DT101 + BC199]; 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	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, lambda + Mouse/IgG2b, kappa
Clone Number	DT101 + BC199
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.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-MLANA antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant hMART-1 protein (DT101 & BC199)
Cellular Localization	Cytoplasmic
Positive Control	SK-MEL-13 and SK-MEL-19 melanoma cell lines. Human melanoma tissues.
Hu-chromosome Location	9p24.1
Unigene	154069
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 Melan-A/MART-1 Mouse Monoclonal Antibody (DT101 + BC199).

ADDITIONAL INFORMATION

Related Product Information for anti-MLANA antibody	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.
---	---

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	13,157 Da
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; antigen LB39-AA; antigen SK29-AA; protein Melan-A
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.