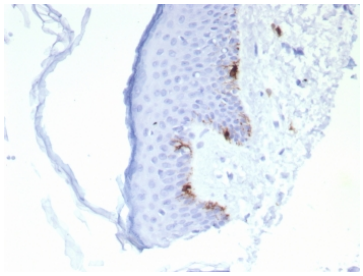
MART-1 Antibody / Melan-A [clone rMLANA/8134] (V5284)

Catalog No.	Formulation	Size
V5284-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5284-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5284SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

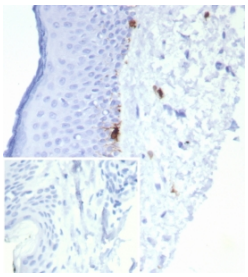
Recombinant MOUSE MONOCLONAL

Bulk quote request

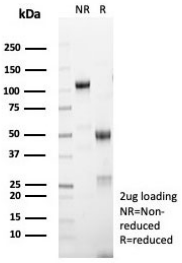
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rMLANA/8134
Purity	Protein A/G affinity
UniProt	Q16655
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 2-4ug/ml
Limitations	This MART-1 antibody is available for research use only.



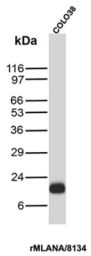
MART-1 Antibody Human Skin IHC. Immunohistochemistry staining of FFPE human skin tissue with MART-1 antibody (clone rMLANA/8134). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



MART-1 Antibody Human Skin Tissue IHC. Immunohistochemistry staining of FFPE human skin tissue with MART-1 antibody (clone rMLANA/8134). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free MART-1 antibody (clone rMLANA/8134) as confirmation of integrity and purity.



MART-1 Antibody COLO 38 WB. Western blot analysis of COLO 38 cell lysate using MART-1 Antibody clone rMLANA/8134. A prominent band is detected near approximately 18-20 kDa, consistent with the expected molecular weight range of Melanoma antigen recognized by T-cells 1 / MLANA/MART-1, a melanocyte lineage-associated protein widely studied in melanoma biology and melanocytic differentiation pathways.

Description

MART-1 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.

This antibody is part of the Melan-A antibody collection, where additional MLANA/MART-1 antibodies for various applications can be explored.

Application Notes

Optimal dilution of the MART-1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the MART-1 antibody.

Storage

Aliquot the MART-1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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