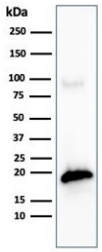
Recombinant MART-1 Antibody / Melan-A [clone MLANA/4475R] (V8661)

Catalog No.	Formulation	Size
V8661-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8661-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8661SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

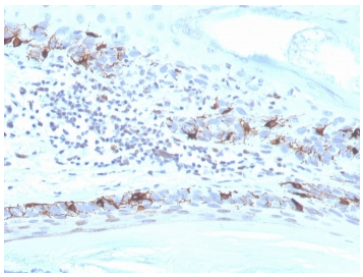
Recombinant RABBIT MONOCLONAL

Bulk quote request

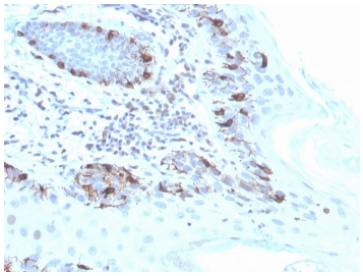
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	MLANA/4475R
Purity	Protein A affinity chromatography
UniProt	Q16655
Localization	Cytoplasmic
Applications	Western blot: 2-4ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This recombinant MART-1 antibody is available for research use only.



Western blot testing of human COLO-38 cell lysate with recombinant MART-1 antibody (clone MLANA/4475R). Expected molecular weight ~20 kDa with possible doublet.



IHC staining of FFPE human skin with recombinant MART-1 antibody (clone MLANA/4475R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human skin with recombinant MART-1 antibody (clone MLANA/4475R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

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 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.

Explore our Melan-A Antibody / Melanocyte Lineage Marker clone A103 page for additional validation data and research applications involving melanoma biology, melanocytic tumor identification, and pigment cell differentiation pathways.

Application Notes

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

Immunogen

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

Storage

Store the recombinant MART-1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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