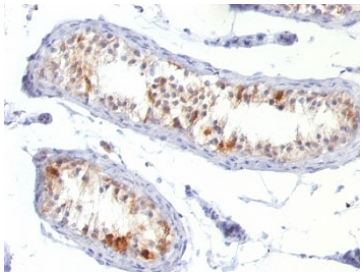
Melan-A Antibody [clone MLANA/788] (V2502)

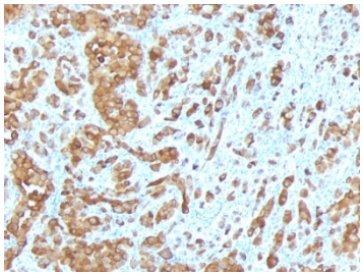
Catalog No.	Formulation	Size
V2502-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2502-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2502SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2502IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

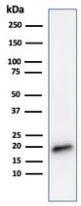
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MLANA/788
Purity	Protein G affinity chromatography
UniProt	Q16655
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 1-2ug/ml
Limitations	This Melan-A antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human testis stained with Melan-A antibody (MLANA/788).



IHC: Formalin-fixed, paraffin-embedded human melanoma stained with Melan-A antibody (MLANA/788).



Western blot testing of human COLO-38 cell lysate with Melan-A antibody (clone MLANA/788). Expected molecular weight ~20 kDa with possible doublet.

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 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.

Application Notes

Optimal dilution of the Melan-A antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human MLANA protein was used as the immunogen for the Melan-A antibody.

Storage

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