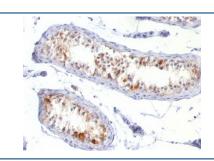


# Melan-A Antibody [clone MLANA/788] (V2502)

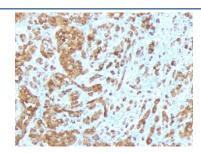
Catalog No.	Formulation	Size
V2502-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2502-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2502SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2502IHC-7ML	Prediluted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