# **w** abeomics

# 36-1127: Monoclonal Antibody to MART-1 / Melan-A / MLANA (Melanoma Marker)(Clone : M2-7C10)

Clonality :	Monoclonal
Clone Name :	M2-7C10
Application :	IHC
Reactivity :	Human
Gene :	MLANA
Gene ID :	2315
Uniprot ID :	Q16655
Format :	Purified
Alternative Name :	MLANA, MART1
Isotype :	Mouse IgG2b, lambda
Immunogen Information :	Recombinant hMART-1 protein

## Description

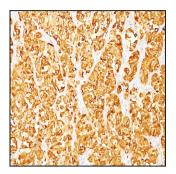
This antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T cells 1) or Melan-A. MART-1 is a newly identified melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. Seven other melanoma associated antigens recognized by 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 positivemarker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.

### **Product Info**

Amount :	100 μg
Purification :	Affinity Chromatography
Content :	100 $\mu g$ in 500 $\mu l$ PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### **Application Note**

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

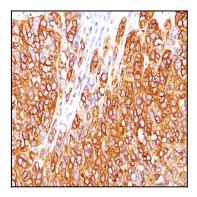


Formalin-fixed, paraffin-embedded human Melanoma stained with MART-1 Monoclonal Antibody (M2-7C10).

For Research Use Only. Not for use in diagnostic/therapeutics procedures.



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