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36-1134: Monoclonal Antibody to MART-1 / Melan-A / MLANA (Melanoma Marker)(M2-7C10 + M2-9E3)

Clonality: Monoclonal

Clone Name: M2-7C10 + M2-9E3
Application: FACS,IF,WB,IHC
Reactivity: Human, Mouse, Rat

Gene : MLANA
Gene ID : 2315
Uniprot ID : Q16655
Format : Purified
Alternative Name : MLANA.MART1

Isotype: Mouse IgG2b, lambda + Mouse IgG2b, kappa **Immunogen Information:** Recombinant hMART-1 protein (M2-7C10; M2-9E3)

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.

Product Info

Amount: 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

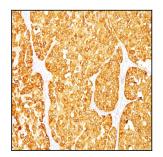
toxic.

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

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml /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°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Melanoma stained with MART-1 / Melan-A Monoclonal Antibody (M2-7C10 + M2-9E3).