Recombinant MART-1 / Melan-A / MLANA (Melanoma Marker) Antibody

Mouse Monoclonal Antibody [Clone rMLANA/9404]

Catalog No	Format	Size
2315-MSM24-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2315-MSM24-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2315-MSM24-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

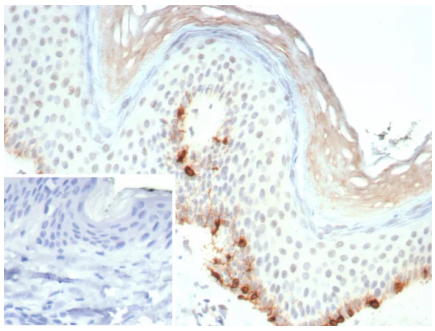
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

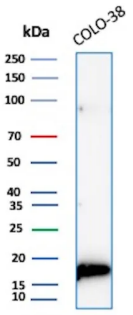
Clone	rMLANA/9404
Immunogen	Recombinant full-length human MART-1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	13.16kDa
Cellular Localization	Endoplasmic reticulum membrane, Golgi apparatus, Melanosome, trans-Golgi network membrane
Species Reactivity	Human
Positive Control	SK-MEL-13 or SK-MEL-19 melanoma cell lines. Melanomas, COLO 38 cells

**Optimal dilution for a specific application should be determined.*

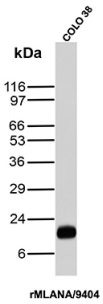
Product Images for Recombinant MART-1 / Melan-A / MLANA (Melanoma Marker) Antibody



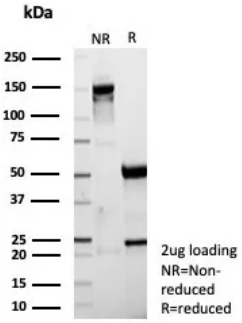
Formalin-fixed, paraffin-embedded human skin stained with MART-1 Recombinant Mouse Monoclonal Antibody (rMLANA/9404). Inset: PBS instead of primary antibody; secondary only negative control.



Western Blot Analysis of Colo-38 lysate using MART-1 Mouse Recombinant Monoclonal Antibody (rMLANA/9404).



Western Blot Analysis of COLO 38 lysate using MART-1 Mouse Recombinant Monoclonal Antibody (rMLANA/9404).



SDS-PAGE Analysis of Purified MART-1 Recombinant Mouse Monoclonal Antibody (rMLANA/9404). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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