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

Mouse Monoclonal Antibody [Clone A103]

Catalog No	Format	Size
2315-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2315-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2315-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

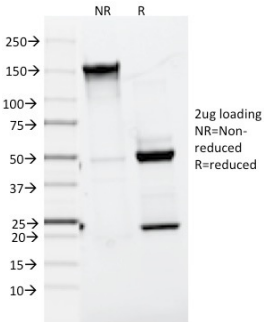
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

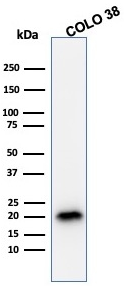
Clone	A103
Gene Name	MLANA
Immunogen	Recombinant hMART-1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	20-22kDa (doublet)
Cellular Localization	Endoplasmic reticulum membrane, Golgi apparatus, Melanosome, trans-Golgi network membrane
Species Reactivity	Dog, Human, Mouse, Rat
Positive Control	COLO38, SK-MEL-13 and SK-MEL-19 melanoma cell lines. Human melanoma tissues.

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

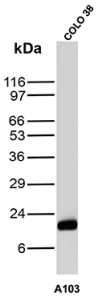
Product Images for MART-1 / Melan-A / MLANA (Melanoma Marker) Antibody



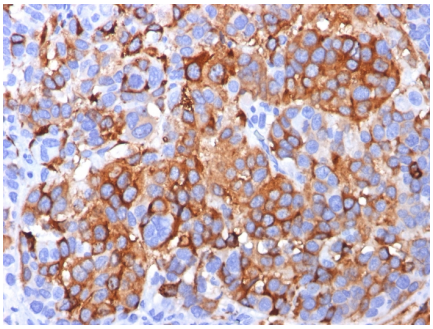
SDS-PAGE Analysis of Purified MART-1 / Melan-A Mouse MonoclonalAntibody (A103). Confirmation of Integrity and Purity of Antibody.



Western Blot Analysis of COLO38 cell lysate using MART-1 / Melan-A Mouse Monoclonal Antibody (A103).



Western Blot Analysis of COLO38 cell lysate using MART-1 / Melan-A Mouse Monoclonal Antibody (A103).



Formalin-fixed, paraffin-embedded human Melanoma stained with MART-1 / Melan-A Mouse Monoclonal Antibody (A103).

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 Purified from Bioreactor Concentrate by Protein A/G. 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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