

Product Datasheet

Melan-A/MART-1 Antibody (M2-9E3) NBP2-15198-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-15198-0.1mg

Melan-A/MART-1 Antibody (M2-9E3)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	M2-9E3
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

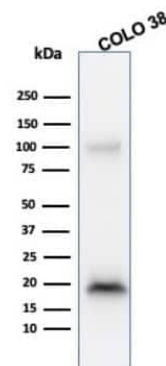
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-33150) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	2315
Gene Symbol	MLANA
Species	Human, Mouse, Rat
Marker	Melanoma Marker
Specificity/Sensitivity	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 monoclonal antibody 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.
Immunogen	Recombinant Melan-A/MART-1 protein (Uniprot: Q16655)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	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 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

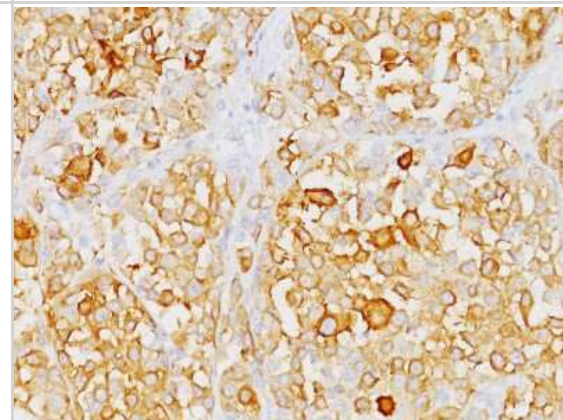


Images

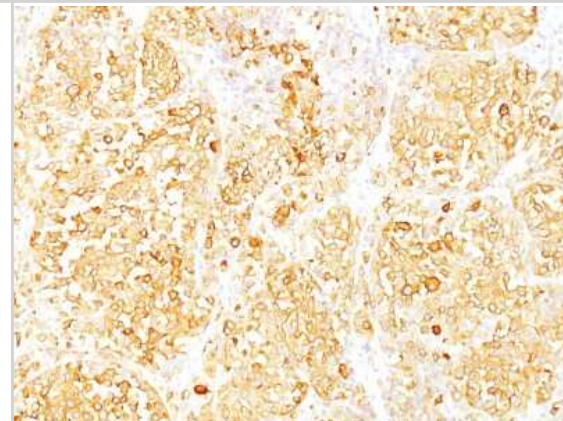
Western Blot: Melan-A/MART-1 Antibody (M2-9E3) [NBP2-15198] - Western Blot Analysis of COLO38 cell lysate using Melan-A/MART-1 Antibody (M2-9E3).



Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (M2-9E3) [NBP2-15198] - Formalin-paraffin human melanoma stained with Melan-A Ab (M2-9E3). Note cytoplasmic staining of cells.



Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (M2-9E3) [NBP2-15198] - Formalin-paraffin human melanoma stained with Melan-A Ab (M2-9E3). Note cytoplasmic staining of cells.



Publications

Zhu B, Chen S, Wang H et al. The protective role of DOT1L in UV-induced melanomagenesis Nat Commun 2018-01-17 [PMID: 29343685] (IF/IHC, Mouse)

Mihic-Probst D, Ikenberg K, Tinguely M et al. Tumor cell plasticity and angiogenesis in human melanomas. PLoS One. 2012-01-01 [PMID: 22442699]



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Products Related to NBP2-15198-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-23223	Recombinant Human Melan-A/MART-1 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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