

Product Datasheet

Melan-A/MART-1 Antibody (M2-7C10) - Azide and BSA Free NBP2-33148

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-33148

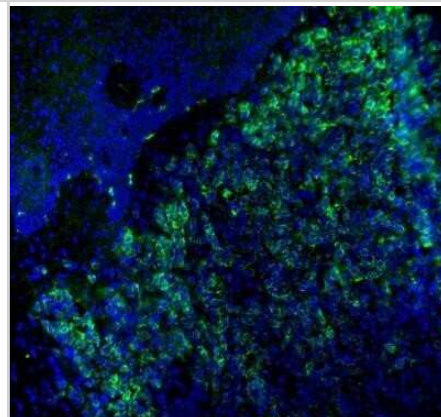
Melan-A/MART-1 Antibody (M2-7C10) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	M2-7C10
Preservative	No Preservative
Isotype	IgG2b Lambda
Purity	Protein A or G purified
Buffer	10 mM PBS
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-15197). 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, Equine, Rat (Negative)
Reactivity Notes	Does not react with 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, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5-1.0ug/ml, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin 0.5-1ug/ml, Immunohistochemistry-Frozen 0.5-1ug/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.

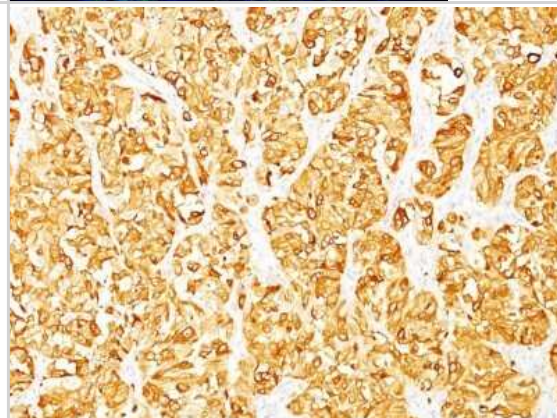


Images

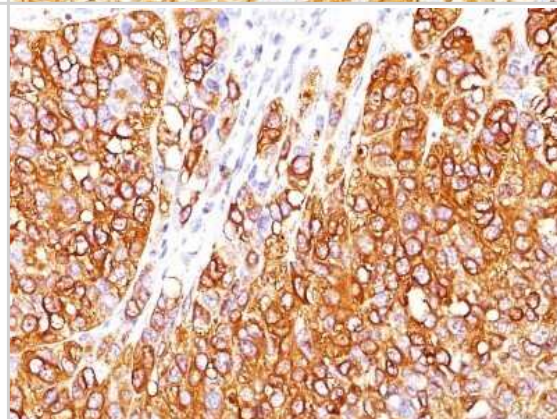
Immunohistochemistry-Frozen: Melan-A/MART-1 Antibody (M2-7C10) - Azide and BSA Free [NBP2-33148] - Analysis using the Alexa-Fluor(R)-488 conjugate for this antibody. Melan-A (green) was detected in human skin (melanoma) using Melan-A-AlexaFluor488 antibody (1:40; 1 hour) in PBS. Nuclei were stained with DAPI (blue). Tissue was fixed in acetone. Image from a verified customer review.



Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (M2-7C10) - Azide and BSA Free [NBP2-33148] - Formalin-paraffin human melanoma stained with MART-1 Ab (M2-7C10). Note cytoplasmic staining of cells.



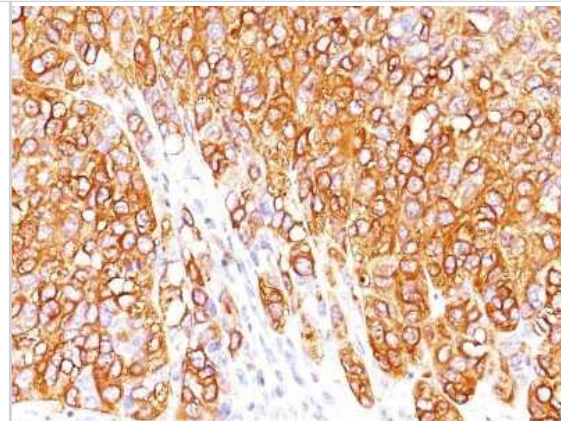
Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (M2-7C10) - Azide and BSA Free [NBP2-33148] - Formalin-fixed, paraffin-embedded human Melanoma stained with Melan-A/MART-1 Antibody (M2-7C10).



Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (M2-7C10) - Azide and BSA Free [NBP2-33148] - Formalin-fixed, paraffin-embedded human skin stained with MART-1 Monoclonal Antibody (M2-7C10).



Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (M2-7C10) - Azide and BSA Free [NBP2-33148] - Formalin-paraffin human melanoma stained with MART-1 Ab (M2-7C10). Note cytoplasmic staining of cells.





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Products Related to NBP2-33148

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-23223	Recombinant Human Melan-A/MART-1 His Protein
285-IF-100	IFN-gamma [Unconjugated]

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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