

# Product Datasheet

## **Melan-A/MART-1 Antibody (A103 + M2-7C10 + M2-9E3) - Azide and BSA Free NBP2-34546-0.1mg**

Unit Size: 0.1 mg

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

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Updated 7/16/2024 v.20.1

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**NBP2-34546-0.1mg**

Melan-A/MART-1 Antibody (A103 + M2-7C10 + M2-9E3) - 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	A103 + M2-7C10 + M2-9E3
Preservative	No Preservative
Isotype	IgG1 Kappa/IgG2b Lambda/IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	21 kDa

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 (NBP2-34244).  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, Canine
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 cocktail 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 full-length hMelan-A/MART-1 protein (A103; M2-7C10; M2-9E3) (Uniprot: Q16655)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1ug/ml, Immunohistochemistry-Paraffin 0.5-1 ug/ml, Flow (Intracellular), CyTOF-ready

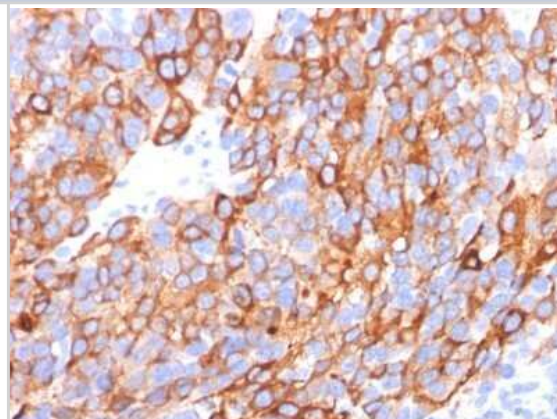


**Application Notes**

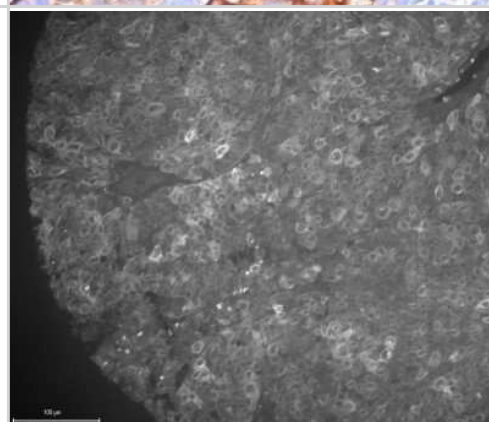
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

**Images**

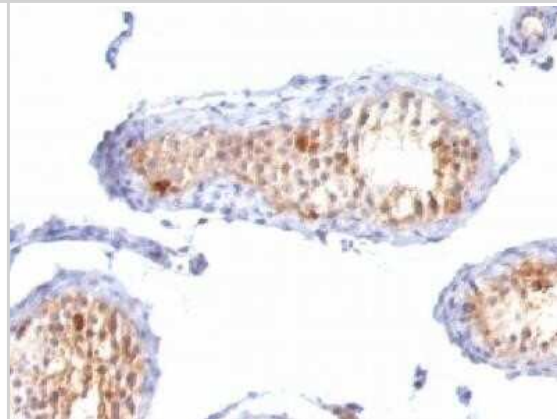
Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (A103 + M2-7C10 + M2-9E3) - Azide and BSA Free [NBP2-34546] - Formalin-fixed, paraffin-embedded human melanoma stained with Melan-A MAb (A103+M2-7C10+M2-9E3). Note cytoplasmic staining of cells.



Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (A103 + M2-7C10 + M2-9E3) - Azide and BSA Free [NBP2-34546] - Paraffin-embedded human melanoma. pH 9 antigen retrieval. Image from verified customer review.



Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (A103 + M2-7C10 + M2-9E3) - Azide and BSA Free [NBP2-34546] -  
Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (A103 + M2-7C10 + M2-9E3) [NBP2-34244]





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### **Products Related to NBP2-34546-0.1mg**

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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]

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### **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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