

Product Datasheet

Melan-A/MART-1 Antibody (M2-7C10 + M2-9E3) NBP2-34245-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-34245-0.1mg

Melan-A/MART-1 Antibody (M2-7C10 + M2-9E3)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	M2-7C10 + M2-9E3
Preservative	0.05% Sodium Azide
Isotype	IgG2b Lambda/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. (NBP2-34680) 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
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:33857287)
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 full-length hMelan-A/MART-1 protein (M2-7C10; M2-9E3) (Uniprot: Q16655)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), 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 /ml, Flow (Intracellular)

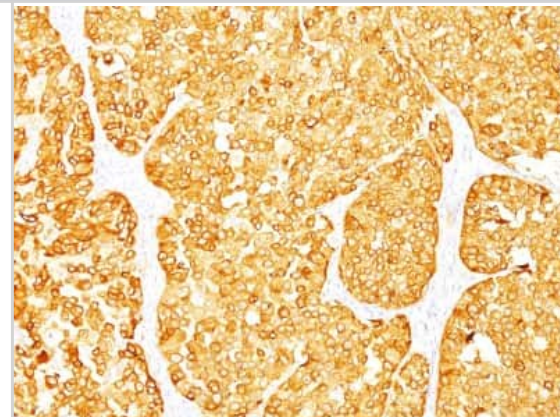


Application Notes

Use in Immunohistochemistry reported in scientific literature (PMID:33857287)
 Immunohistochemistry (Formalin-fixed): 1-2ug/ml /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

Images

Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (M2-7C10 + M2-9E3) [NBP2-34245] - Formalin-fixed, paraffin-embedded human melanoma stained with Melan-A MAb (M2-7C10+M2-9E3). Note cytoplasmic staining of cells.

**Publications**

Martinek J, Lin J, Kim KI Et al. Transcriptional profiling of macrophages in situ in metastatic melanoma reveals localization-dependent phenotypes and function Cell Rep Med 2022-05-18 [PMID: 35584631]

Details:

Citation using the Azide and BSA Free version of this antibody.

Yu CI, Martinek J, Wu TC et al. Human KIT+ myeloid cells facilitate visceral metastasis by melanoma The Journal of experimental medicine 2021-06-07 [PMID: 33857287] (IF/IHC, Mouse)

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Products Related to NBP2-34245-0.1mg

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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