

Product Datasheet

Melanoma Marker (MART-1 + Tyrosinase + gp100) Antibody (M2-7C10 + M2-9E3 + T311 + HMB45) - Azide and BSA Free

NBP2-34681-0.1mg

Unit Size: 0.1 mg

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

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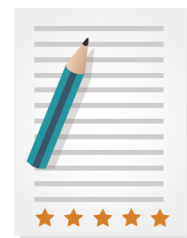
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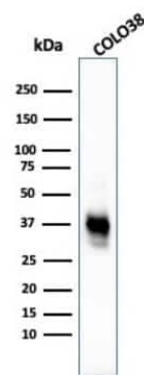
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Melanoma Marker (MART-1 + Tyrosinase + gp100) Antibody (M2-7C10 + M2-9E3 + T311 + HMB45) - Azide and BSA Free

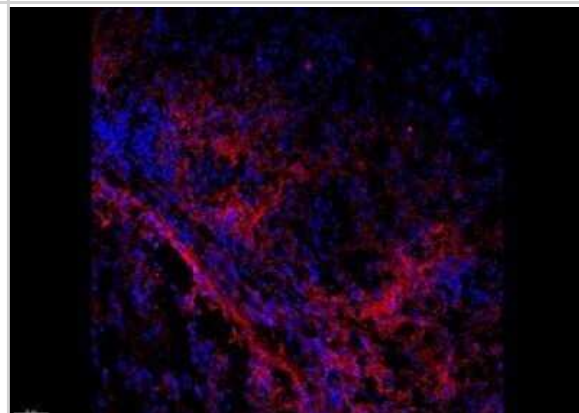
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	M2-7C10 + M2-9E3 + T311 + HMB45
Preservative	No Preservative
Isotype	IgG2b Lambda/IgG2a Kappa/IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Product 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 (NBP2-34337). 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
Marker	Melanoma Marker
Specificity/Sensitivity	This antibody cocktail recognizes three melanoma-specific proteins, which include MART-1, Tyrosinase and gp100. MART-1 is a newly identified melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. Tyrosinase is one of the targets for cytotoxic T-cell recognition in melanoma patients. Function of gp100 is not known but it is reported to be a useful marker for melanocytes and melanomas. This cocktail of three markers is designed for extremely sensitive labeling of formalin-fixed, paraffin-embedded melanomas and other tumors showing melanocytic differentiation.
Immunogen	Recombinant Melanoma Marker (MART-1 + Tyrosinase + gp100) protein (M2-7C10; M2-9E3); Recombinant tyrosinase protein (T311); Extract of pigmented melanoma metastases from lymph nodes (HMB45)
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 2-4 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 0.5-1.0ug/ml, Immunohistochemistry-Frozen 0.5-1.0ug/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

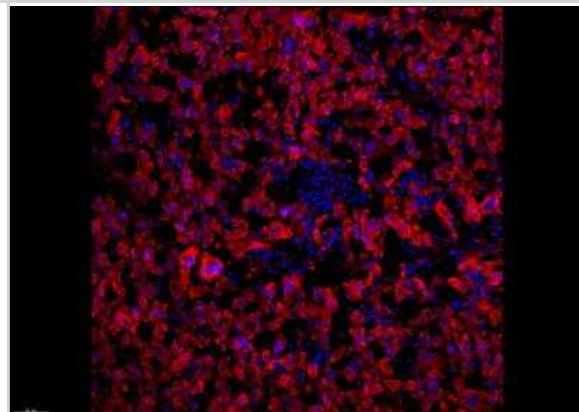
Western Blot: Melanoma Marker (MART-1 + Tyrosinase + gp100) Antibody (M2-7C10 + M2-9E3 + T311 + HMB45) - Azide and BSA Free [NBP2-34681] - Western Blot Analysis of COLO38 cell lysate using Melanoma Marker (MART-1 + Tyrosinase + gp100) MAb (M2-7C10 + M2-9E3 + T311 + HMB45).



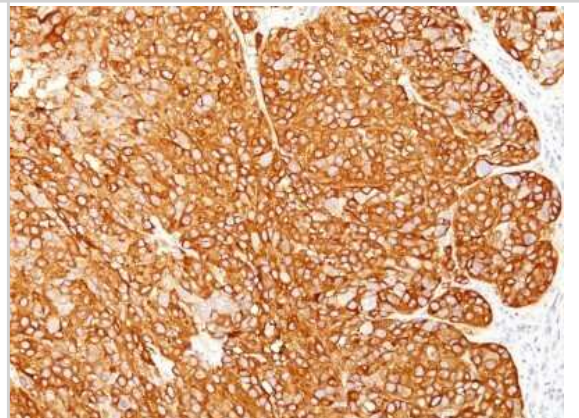
Immunohistochemistry-Frozen: Melanoma Marker (MART-1 + Tyrosinase + gp100) Antibody (M2-7C10 + M2-9E3 + T311 + HMB45) - Azide and BSA Free [NBP2-34681] - Frozen human melanoma stained for melanoma cancer cells (red) and counter-stained with DAPI (blue). This image was submitted via customer review. Image from the Alexa Fluor 700 version of this antibody.



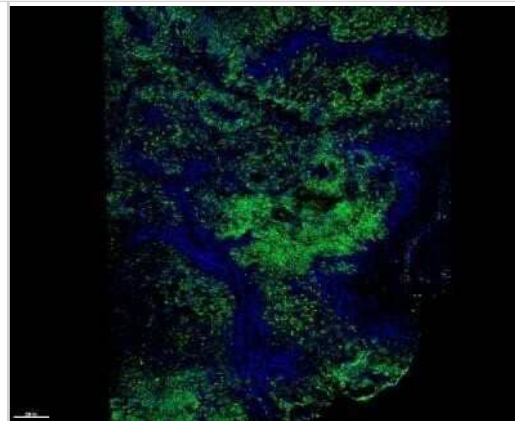
Immunohistochemistry-Frozen: Melanoma Marker (MART-1 + Tyrosinase + gp100) Antibody (M2-7C10 + M2-9E3 + T311 + HMB45) - Azide and BSA Free [NBP2-34681] - Melanoma Tissue stained for Mart-1 Tyrosinase p100 (red) counterstained with DAPI (blue). Image from a verified customer review.



Immunohistochemistry-Paraffin: Melanoma Marker (MART-1 + Tyrosinase + gp100) Antibody (M2-7C10 + M2-9E3 + T311 + HMB45) - Azide and BSA Free [NBP2-34681] - Formalin-fixed, paraffin-embedded human melanoma stained with Melanoma Marker MAb (M2-7C10 + M2-9E3 + T311 + HMB45).



Immunohistochemistry: Melanoma Marker (MART-1 + Tyrosinase + gp100) Antibody (M2-7C10 + M2-9E3 + T311 + HMB45) - Azide and BSA Free [NBP2-34681] - Scan of human melanoma sample. Stained for Mart-1+Tyrosinase+gp100 (green) counter stained with DAPI (blue). Image from verified customer review. Image using the Janelia Fluor 549 format of this antibody.



Publications

Liu Q, Adhikari E, Lester D et al. Androgen Drives Melanoma Invasiveness and Metastatic Capacity by Promoting Tumorigenic Fucosylation Research Square 2023-03-10 (IHC-P)

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.



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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
285-IF-100	IFN-gamma [Unconjugated]
202-IL-010	IL-2 [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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