

# Product Datasheet

## Melanoma Marker (MART-1 + gp100) Antibody (DT101+ BC199 + HMB45) - Azide and BSA Free NBP2-34608-0.1mg

Unit Size: 0.1 mg

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

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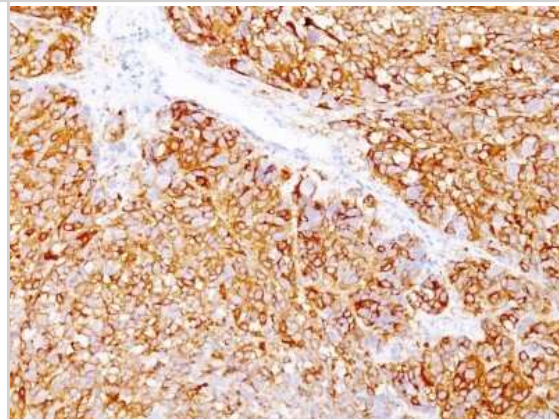
**NBP2-34608-0.1mg**

Melanoma Marker (MART-1 + gp100) Antibody (DT101+ BC199 + HMB45) - Azide and BSA Free

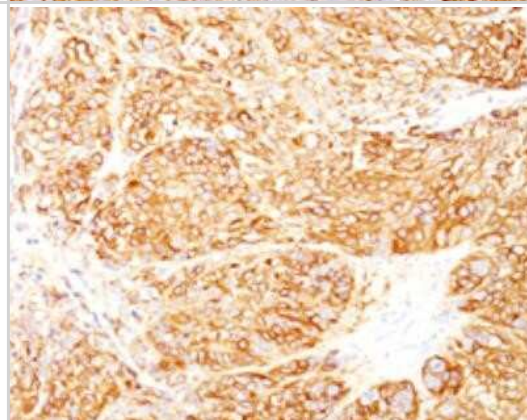
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	DT101+ BC199 + HMB45
Preservative	No Preservative
Isotype	IgG2b Kappa/IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Product Description	
Description	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 (NBP2-34341).  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 two melanoma-specific proteins, which include MART-1 and gp100. MART-1 is a newly identified melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. Function of gp100 is not known but it is reported to be a useful marker for melanocytes and melanomas. A cocktail of these two markers is sensitive for labeling formalin-fixed, paraffin-embedded melanomas and other tumors showing melanocytic differentiation.
Immunogen	Recombinant Melanoma Marker (MART-1 + gp100) protein (DT101 & BC199); Extract of pigmented melanoma metastases from lymph nodes (HMB45)
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin 0.5-1.0ug/ml, 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. Use in Flow Cytometry reported in scientific literature (PMID: 30735560).

## Images

Immunohistochemistry-Paraffin: Melanoma Marker (MART-1 + gp100) Antibody (DT101+ BC199 + HMB45) - Azide and BSA Free [NBP2-34608] - Formalin-fixed, paraffin-embedded human Melanoma stained with Melanoma Marker (MART-1 + gp100) Antibody (DT101+ BC199 + HMB45).



Immunohistochemistry-Paraffin: Melanoma Marker (MART-1 + gp100) Antibody (DT101+ BC199 + HMB45) - Azide and BSA Free [NBP2-34608] - Formalin-fixed, paraffin-embedded human melanoma stained with Melanoma Marker MAb (DT101+ BC199 + HMB45).



## Publications

Po JW, Ma Y, Balakrishna B et al. Immunomagnetic isolation of circulating melanoma cells and detection of PD-L1 status. PLoS One. 2019-02-08 [PMID: 30735560] (FLOW, Human)

Details:

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



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### **Products Related to NBP2-34608-0.1mg**

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