

Product Datasheet

Melanoma HMB45 + MART1 Antibody (HMB45 + M2-7C10 + M2-9E3) NB600-1019

Unit Size: 6 ml

Store at 4C. Do not freeze.

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NB600-1019

Melanoma HMB45 + MART1 Antibody (HMB45 + M2-7C10 + M2-9E3)

| Product Information | |
|-----------------------------|--|
| Unit Size | 6 ml |
| Concentration | This product is unpurified. The exact concentration of antibody is not quantifiable. |
| Storage | Store at 4C. Do not freeze. |
| Clonality | Monoclonal |
| Clone | HMB45 + M2-7C10 + M2-9E3 |
| Preservative | 0.09% Sodium Azide |
| Isotype | IgG Kappa |
| Purity | Tissue culture supernatant |
| Buffer | PBS |
| Product Description | |
| Host | Mouse |
| Gene ID | 2315 |
| Gene Symbol | MLANA |
| Species | Human, Mouse, Rat |
| Reactivity Notes | Cross-reacts with Human, Rat and Mouse. Not yet tested in other species. |
| Specificity/Sensitivity | The HMB-45 clone reacts with a neuraminidase-sensitive oligosaccharide side chain of a glycoconjugate present in immature melanosomes. The HMB45-reactive antigen is present in cutaneous melanocytes, prenatal and infantile retinal pigment epithelium and melanoma cells. It is also thought to be oncofetal in nature. This antibody has been shown to label the majority of melanomas. |
| Immunogen | HMB45 - Pigmented melanoma metastases from LNMART-1 - Recombinant human MART-1 protein |
| Notes | This product has a prediluted size available. If a 6mL or 7mL pre-diluted size is purchased this product can be used Neat (without further dilution). Use recommended dilution for the concentrated vials only. |
| Product Application Details | |
| Applications | Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Immunohistochemistry, Immunohistochemistry-Paraffin Neat |
| Application Notes | IHC: For an ABC system, incubate for 30-60 minutes at RT. For formalin fixed paraffin embedded sections, the staining intensity of this melanoma cocktail is enhanced by performing heat mediated antigen retrieval using a high pH buffer. The HMB-45 portion of this antibody will stain with citrate buffer, pH 6.0; however, data shows the MART-1 portion of this cocktail may be negative unless a high pH buffer is used. We therefore, strongly recommend that you do not use citrate buffer for this antibody cocktail. It is sometimes difficult to interpret DAB stained melanomas due to endogenous pigment, therefore we recommend you substitute an AEC or a Fast Red substrate protocol |



Publications

Ramgolam K, Lauriol J, Lalou C et al. Melanoma spheroids grown under neural crest cell conditions are highly plastic migratory/invasive tumor cells endowed with immunomodulator function PLoS One 2011-04-15 [PMID: 21526207] (ICC/IF, Human)

Agague S, Carosella ED, Rouas-Freiss N. Role of HLA-G in tumor escape through expansion of myeloid-derived suppressor cells and cytokinic balance in favor of Th2 versus Th1/Th17 Blood 2011-06-30 [PMID: 21482709] (IF/IHC, Mouse)

Hemon P, Jean-Louis F, Ramgolam K et al. MHC Class II Engagement by Its Ligand LAG-3 (CD223) Contributes to Melanoma Resistance to Apoptosis. J Immunol 186(9):5173-83. 2011-05-01 [PMID: 21441454]





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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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