


## Product datasheet

# Anti-Melanoma antibody [HMB45 + M2-7C10 + M2-9E3] ab732

Recombinant

★★★★★ [2 Abreviews](#) [25 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Anti-Melanoma antibody [HMB45 + M2-7C10 + M2-9E3]
<b>Description</b>	Mouse recombinant multiclonal [HMB45 + M2-7C10 + M2-9E3] to Melanoma
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-Fr, IHC-P, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Recombinant full length protein corresponding to Melanoma. HMB45 - Pigmented melanoma metastases from LN MART-1 - Recombinant human MART-1 protein
<b>Epitope</b>	HMB45 and MART-1
<b>Positive control</b>	IHC-P: Metastatic melanoma in lymph node.
<b>General notes</b>	<p>This cocktail is HMB45 + two different clones of MART-1[M2-7C10] + [M2-9E3]. HMB34 isotype: IgG1/kappa and both clones of MART-1: IgG2b + IgG2b</p> <p>HMB-45 and MART-1 are coexpressed in the majority of melanomas, as well as uniquely expressed in certain cases. Thus, the HMB-45 and MART-1 cocktail is potentially more sensitive than HMB-45 or MART-1 alone. MART-1 is a cocktail of clones M2-7C10 and M2-9E3. The combination of HMB-45 and the MART-1 cocktail make this triple antibody cocktail a first-order pan melanoma screener.</p> <p>This product was changed from ascites to tissue culture supernatant on 14/07/17. The following lots are from ascites and are still in stock as of 14/07/17 – GR313023 and GR3175007. Lot numbers higher than GR313023 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

Please note that this antibody is an oligoclonal antibody. It is a cocktail of monoclonal antibodies that have been carefully selected. Oligoclonal antibodies have not only the specificity and batch-to-batch consistency of a monoclonal antibody, but also have the advantage of the sensitivity of a polyclonal antibody due to their ability to recognize multiple epitopes on an antigen.

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituents: 97.5% Water, 0.99% BSA, 0.33% Tris HCl, 0.007% Hydrochloric acid, 0.04% Tween
<b>Purity</b>	Tissue culture supernatant
<b>Primary antibody notes</b>	HMB-45 and MART-1 are coexpressed in the majority of melanomas, as well as uniquely expressed in certain cases. Thus, the HMB-45 and MART-1 cocktail is potentially more sensitive than HMB-45 or MART-1 alone. MART-1 is a cocktail of clones DT101 and BC199. The combination of HMB-45 and the MART-1 cocktail make this triple antibody cocktail a first-order pan melanoma screener.
<b>Clonality</b>	Recombinant Multiclonal
<b>Clone number</b>	HMB45 + M2-7C10 + M2-9E3
<b>Myeloma</b>	unknown
<b>Isotype</b>	IgG2b
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab732 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
IHC-P	★★★★★ (1)	1/100 - 1/200. 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
Flow Cyt		Use at an assay dependent concentration. PubMed: 22147606 <b>ab170192</b> - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

## Target

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### Relevance

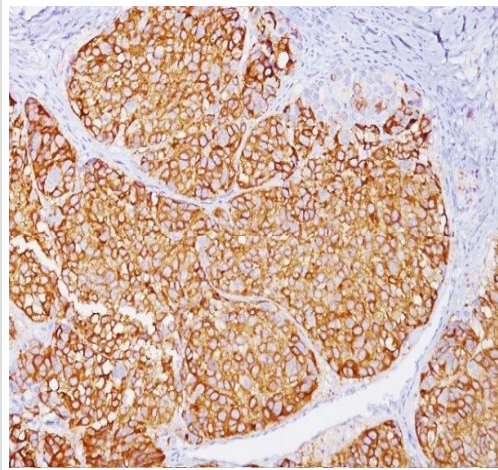
Malignant melanoma is a malignant neoplasm of melanocytes, arising de novo or from a pre-existing benign nevus, which occurs most often in the skin but also may involve other sites.

### Cellular localization

Membrane; Single-pass membrane protein

## Images

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ab732 staining Melanoma in Human lymph node tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Melanoma antibody  
[HMB45 + M2-7C10 + M2-9E3] (ab732)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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