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

**ab732**

**Product name**: Anti-Melanoma antibody [HMB45 + M2-7C10 + M2-9E3]

**Description**: Mouse recombinant monoclonal [HMB45 + M2-7C10 + M2-9E3] to Melanoma

**Host species**: Mouse

**Tested applications**: Suitable for: IHC-Fr, IHC-P, Flow Cyt

**Species reactivity**: Reacts with: Human

**Predicted to work with**: Rat

**Immunogen**: Recombinant full length protein corresponding to Melanoma. HMB45 - Pigmented melanoma metastases from LN MART-1 - Recombinant human MART-1 protein

**Epitope**: HMB45 and MART-1

**Positive control**: IHC-P: Metastatic melanoma in lymph node.

**General notes**: 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

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.

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.

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.

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&As.
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**

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

**Storage buffer**
Preservative: 0.09% Sodium azide
Constituents: 97.5% Water, 0.99% BSA, 0.33% Tris HCl, 0.007% Hydrochloric acid, 0.04% Tween

**Purity**
Tissue culture supernatant

**Primary antibody notes**
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.

**Clonality**
Recombinant Multiclonal

**Clone number**
HMB45 + M2-7C10 + M2-9E3

**Myeloma**
unknown

**Isotype**
IgG2b

**Light chain type**
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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>IHC-Fr</td>
<td>Use at an assay dependent concentration.</td>
<td></td>
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<tr>
<td>IHC-P</td>
<td>★★★★★☆☆☆☆ (1)</td>
<td>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</td>
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<tr>
<td>Flow Cyt</td>
<td>Use at an assay dependent concentration. PubMed: 22147606 <a href="#">ab170192</a> - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.</td>
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<td>Target</td>
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<td>------------------------</td>
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<td><strong>Relevance</strong></td>
<td>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.</td>
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<td><strong>Cellular localization</strong></td>
<td>Membrane; Single-pass membrane protein</td>
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<th>Images</th>
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<tr>
<td>ab732 staining Melanoma in Human lymph node tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections).</td>
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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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