

## Datasheet: MCA2207

<b>Description:</b>	MOUSE ANTI HUMAN MELAN-A
<b>Specificity:</b>	MELAN-A
<b>Other names:</b>	MART 1
<b>Format:</b>	Concentrate
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	M2-7C10
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			1/40

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own systems using appropriate negative/positive controls.

(1) **This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. STUF MARK2 (UNIVERSAL) [BUF025A/B](#) is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.1% Sodium Azide
<b>Stabilisers</b>	1.0% Bovine Serum Albumin
<b>Immunogen</b>	MELAN-A fusion protein.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q16655</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2315</a>   MLANA   <a href="#">Related reagents</a></p>

<b>Synonyms</b>	MART1
<b>Specificity</b>	<p><b>Mouse anti Human MELAN-A antibody, clone M2-7C10</b> recognizes MELAN-A/MART-1, which is a melanocyte differentiation marker.</p> <p>MELAN-A is expressed by a large proportion of melanoma tumors, both melanotic and amelanotic and by melanoma cell lines.</p> <p>MELAN-A/MART-1 is not expressed by non-melanoma malignancies.</p>
<b>Histology Positive Control Tissue</b>	Melanoma
<b>References</b>	<ol style="list-style-type: none"> <li>1. Marincola, F.M. <i>et al.</i> (1996) Analysis of expression of the melanoma-associated antigens MART-1 and gp100 in metastatic melanoma cell lines and in <i>in situ</i> lesions. <a href="#">J Immunother Emphasis Tumor Immunol. 19 (3): 192-205.</a></li> <li>2. Fetsch, P.A. <i>et al.</i> (2001) Melanoma antigen expression in serial fine-needle aspiration samples in patients with metastatic malignant melanoma participating in immunotherapy clinical trials: a preliminary look. <a href="#">Cancer. 93 (6): 409-14.</a></li> <li>3. Win, S.J. <i>et al.</i> (2011) Cross-presentation of epitopes on virus-like particles via the MHC I receptor recycling pathway. <a href="#">Immunol Cell Biol. 89: 681-8.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended.</p>
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation available at:  Material Safety Datasheet Documentation #10304 available at:  <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf</a></p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@549</a> , <a href="#">DyLight@649</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>

Human Anti Mouse IgG2b (HCA038...) [FITC](#), [HRP](#)

## Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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