

## 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 Stabilisers</b>	0.1% Sodium Azide 1.0% Bovine Serum Albumin
<b>Immunogen</b>	MELAN-A fusion protein.

External Database Links	<b>UniProt:</b> <a href="#">Q16655</a> <a href="#">Related reagents</a>
	<b>Entrez Gene:</b> <a href="#">2315</a> MLANA <a href="#">Related reagents</a>
Synonyms	MART1
RRID	AB_2142674
Specificity	<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>
Histology Positive Control Tissue	Melanoma
References	<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> <li>4. Win, S.J. <i>et al.</i> (2012) Enhancing the immunogenicity of tumour lysate-loaded dendritic cell vaccines by conjugation to virus-like particles. <a href="#">Br J Cancer. 106 (1): 92-8.</a></li> </ol>
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
Regulatory	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>

### Recommended Negative Controls

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M390149:210825'

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