

## Datasheet: MCA2290

<b>Description:</b>	MOUSE ANTI HUMAN CD102
<b>Specificity:</b>	CD102
<b>Other names:</b>	ICAM-2
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	CBRIC2/2
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.2 mg

## 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
Flow Cytometry	▪			1/100
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

Where this product 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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% sodium azide (NaN <sub>3</sub> )

<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Transfected COS cells expressing ICAM-2 cDNA.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P13598</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3384</a> ICAM2    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_566407
<b>Fusion Partners</b>	Cells from immunized BALB/c mice were fused with cells of the Murine P3X63Ag.653 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human CD102 antibody, clone CBRIC2/2</b> recognizes human CD102, also known as intercellular adhesion molecule-2 (ICAM-2). CD102 is a glycosylated cell surface protein that is broadly expressed on most leucocytes and is strongly expressed by endothelial cells. CD102 interacts with the CD11a/CD18 (LFA-1). CD102 may play a role in lymphocyte re-circulation and T-cell activation (<a href="#">Yamashita <i>et al.</i> 2008</a>).</p> <p>Mouse anti Human CD102 antibody, clone CBRIC2/2 is reported to inhibit interactions between CD102 and LFA-1 (<a href="#">De Fougerolles <i>et al.</i> 1991</a>).</p>
<b>Flow Cytometry</b>	Use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl
<b>References</b>	<ol style="list-style-type: none"> <li>Xu, H. <i>et al.</i> (1996) Characterization of murine intercellular adhesion molecule-2. <a href="#">J Immunol. 156 (12): 4909-14.</a></li> <li>Diacovo, T.G. <i>et al.</i> (1994) A functional integrin ligand on the surface of platelets: intercellular adhesion molecule-2. <a href="#">J Clin Invest. 94 (3): 1243-51.</a></li> <li>Porter, J.C. &amp; Hall, A. (2009) Epithelial ICAM-1 and ICAM-2 regulate the egression of human T cells across the bronchial epithelium. <a href="#">FASEB J. 23 (2): 492-502.</a></li> <li>Banerjee, P. <i>et al.</i> (2007) Human T-cell leukemia virus type 1 (HTLV-1) p121 down-modulates ICAM-1 and -2 and reduces adherence of natural killer cells, thereby protecting HTLV-1-infected primary CD4+ T cells from autologous natural killer cell-mediated cytotoxicity despite the reduction of major histocompatibility complex class I molecules on infected cells. <a href="#">J Virol. 81: 9707-17.</a></li> <li>Arjmandi A <i>et al.</i> (2009) Dendritic cell adhesion to cerebral endothelium: role of endothelial cell adhesion molecules and their ligands. <a href="#">J Neuropathol Exp Neurol. 68 (3): 300-13.</a></li> </ol>
<b>Storage</b>	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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2290">https://www.bio-rad-antibodies.com/SDS/MCA2290</a> 10040
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<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>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

<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://www.bio-rad-antibodies.com/datasheets)  
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Printed on 21 Sep 2023