

## Datasheet: MCA2295EL

**BATCH NUMBER 1611**

<b>Description:</b>	RAT ANTI MOUSE CD102:Low Endotoxin
<b>Specificity:</b>	CD102
<b>Other names:</b>	ICAM-2
<b>Format:</b>	Low Endotoxin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	m1C2/4 (3C4)
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.5 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	▪			1/50 - 1/200
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	
Functional Assays	▪			

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 system using appropriate negative/positive controls.

<b>Target Species</b>	Mouse
<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</b>	None present

## Stabilisers

---

Carrier Free Yes

---

Endotoxin Level < 0.01 EU/ug

---

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

---

Immunogen COS cells transfected with murine ICAM-2.

## External Database Links

### UniProt:

[P35330](#) [Related reagents](#)

### Entrez Gene:

[15896](#) Icam2 [Related reagents](#)

---

Synonyms Icam-2

---

RRID AB\_566422

---

Fusion Partners Spleen cells from immunised Lewis rats were fused with cells of the Mouse P3X63Ag8.653 myeloma cell line.

---

Specificity **Rat anti Mouse CD102 antibody, clone mIC2/4 (3C4)** recognizes murine intercellular adhesion molecule-2 (ICAM-2), also known as CD102. Murine CD102 is a glycosylated cell surface protein that is broadly expressed on most leucocytes and is constitutively expressed on endothelial cells. CD102 interacts with the CD11a/CD18 integrin LFA-1. Reports suggest that CD102 may play a role in lymphocyte re-circulation and T-cell activation.

Rat anti Mouse CD102 antibody, clone mIC2/4 is reported to inhibit interactions between CD102 and LFA-1 ([Xuet \*et al.\* 1996](#)).

---

Flow Cytometry Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

---

References 1. Jones, D.T. *et al.* (2013) Endogenous ribosomal protein L29 (RPL29): a newly identified regulator of angiogenesis in mice. [Dis Model Mech. 6 \(1\): 115-24.](#)

---

Storage Store at -20°C only.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

---

Guarantee 12 months from date of despatch

---

**Health And Safety Information**      Material Safety Datasheet documentation #10162 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA2295EL>  
10162

---

**Regulatory**                      For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®800</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>

### Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:Low Endotoxin \(MCA1212EL\)](#)

<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>
----------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------	------------------	-------------------------------------------------------------------------------------------------------------------------------------------------	---------------	-----------------------------------------------------------------------------------------------------------------------------------------------------

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)  
'M366575:200529'

**Printed on 18 Jan 2024**

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)