

Datasheet: MCA2290A647

Description:	MOUSE ANTI HUMAN CD102:Alexa Fluor® 647
Specificity:	CD102
Other names:	ICAM-2
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	CBRIC2/2
Isotype:	IgG2a
Quantity:	100 TESTS/1ml

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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat - 1/10

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.

Target Species	Human		
Product Form	Purified IgG conjugated to Alexa Fluor® 647- liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®647	650	665
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml		
Immunogen	Transfected COS cells expressing ICAM-2 cDNA.		
External Database Links	UniProt: P13598 Related reagents		

Entrez Gene:

[3384](#) ICAM2 [Related reagents](#)

Fusion Partners	Cells from immunised BALB/c mice were fused with cells of the Murine P3X63Ag.653 myeloma cell line.
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Specificity	Mouse anti Human CD102 antibody, clone CBRIC2/2 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). Reports suggest that the CD102 may play a role in lymphocyte re-circulation and T-cell activation.
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Mouse anti Human CD102 antibody, clone CBRIC2/2 is reported to inhibit interactions between CD102 and LFA-1 ([De Fougerolles *et al.* 1991](#)).

Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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References	1. Xu, H. <i>et al.</i> (1996) Characterization of murine intercellular adhesion molecule-2. J Immunol. 156 (12): 4909-14. 2. Diacovo, T.G. <i>et al.</i> (1994) A functional integrin ligand on the surface of platelets: intercellular adhesion molecule-2. J Clin Invest. 94 (3): 1243-51. 3. Porter, J.C. & Hall, A. (2009) Epithelial ICAM-1 and ICAM-2 regulate the egression of human T cells across the bronchial epithelium. FASEB J. 23 (2): 492-502. 4. Banerjee, P. <i>et al.</i> (2007) Human T-cell leukemia virus type 1 (HTLV-1) p12I 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. J Virol. 81: 9707-17. 5. Arjmandi A <i>et al.</i> (2009) Dendritic cell adhesion to cerebral endothelium: role of endothelial cell adhesion molecules and their ligands. J Neuropathol Exp Neurol. 68 (3): 300-13.
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Storage	Store at +4°C or at -20°C if preferred.
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This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life	18 months from date of despatch.
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Health And Safety Information Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA929A647\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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