

## ARG21102 anti-CD102 / ICAM2 antibody [3C4]

Package: 100 µg

Store at: -20°C

### Summary

Product Description	Rat Monoclonal antibody [3C4] recognizes CD102 / ICAM2
Tested Reactivity	Ms
Tested Application	BL, FACS, ICC/IF, IHC-Fr, IP
Specificity	Mouse CD102. The clone 3C4 reacts with the cell surface glycoprotein mouse CD102 (ICAM-2), a ligand for the leucocyte integrin CD11a/CD18 (LFA-1). CD102 is constitutively expressed on T cells, B cells, and at high levels on vascular endothelial cells. It is also expressed on a variety of leukocyte cell lines. The 3C4 antibody blocks the interaction between ICAM-2 and LFA-1.
Host	Rat
Clonality	Monoclonal
Clone	3C4
Isotype	IgG2a, kappa
Target Name	CD102 / ICAM2
Species	Mouse
Immunogen	COS cells transfected with mouse ICAM-2 cDNA and BW5147 AKR/J mouse thymoma cell line
Conjugation	Un-conjugated
Alternate Names	CD102; CD antigen CD102; Intercellular adhesion molecule 2; ICAM-2

### Application Instructions

Application table	Application	Dilution
	BL	Assay-dependent
	FACS	< 1 µg/10 <sup>6</sup> cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IP	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Buffer	BBS (pH 8.2)
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 15896 Mouse</a> <a href="#">Swiss-port # P35330 Mouse</a>
Gene Symbol	ICAM2
Gene Full Name	intercellular adhesion molecule 2
Background	The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Function	ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). ICAM2 may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance. [UniProt]
Calculated Mw	31 kDa