

## ARG21103 anti-CD102 / ICAM2 antibody [3C4] (FITC)

Package: 50 µg

Store at: 4°C

### Summary

Product Description	FITC-conjugated Rat Monoclonal antibody [3C4] recognizes CD102 / ICAM2
Tested Reactivity	Ms
Tested Application	BL, FACS, ICC/IF, IHC-Fr
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	FITC
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
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Buffer	PBS and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
Concentration	0.5 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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

---

Database links

[GeneID: 15896 Mouse](#)

[Swiss-port # P35330 Mouse](#)

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

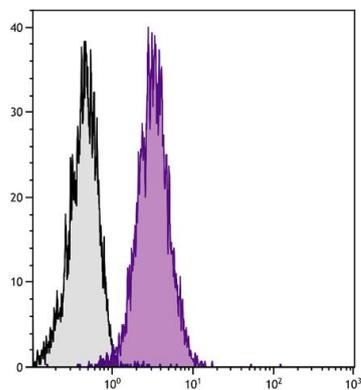
ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). ICAM2 may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance. [UniProt]

Calculated Mw

31 kDa

## Images

---



ARG21103 anti-CD102 / ICAM2 antibody [3C4] (FITC) FACS image

Flow Cytometry: BALB/c Mouse splenocytes stained with ARG21103 anti-CD102 / ICAM2 antibody [3C4] (FITC).