

ARG23257
anti-CD102 / ICAM2 antibody [CBRIC2/2]Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CBRIC2/2] recognizes CD102 / ICAM2 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. Mouse anti Human CD102 antibody, clone CBRIC2/2 is reported to inhibit interactions between CD102 and LFA-1 (De Fougerolles et al. 1991).
Tested Reactivity	Hu
Tested Application	CyTOF®-candidate, FACS, IHC-Fr, IP
Host	Mouse
Clonality	Monoclonal
Clone	CBRIC2/2
Isotype	IgG2a
Target Name	CD102 / ICAM2
Species	Human
Immunogen	Transfected COS cells expressing ICAM-2 cDNA.
Conjugation	Un-conjugated
Alternate Names	CD102; CD antigen CD102; Intercellular adhesion molecule 2; ICAM-2

Application Instructions

Application table	Application	Dilution
	CyTOF®-candidate	Assay-dependent
	FACS	1:100
	IHC-Fr	Assay-dependent
	IP	Assay-dependent
Application Note	FACS: Use 10 µl of the suggested working dilution to label 10 ⁶ cells in 100 µl. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide

Concentration	1 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 or below. 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

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]
Highlight	Related products: CD102 antibodies ; CD102 ELISA Kits ; Anti-Mouse IgG secondary antibodies ; Related news: CyTOF-candidate Antibodies
Calculated Mw	31 kDa