ARG22900
anti-CD102 / ICAM2 antibody [B-T1]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [B-T1] recognizes CD102 / ICAM2 Mouse anti Human CD102 antibody, clone B-T1 recognizes human Intercellular adhesion molecule 2, also known as CD102 or ICAM-2. CD102 is a 275 amino acid ~55-65 kDa single pass type-1 transmembrane glycoprotein containing two Ig-like C2-type domains.Mouse anti Human CD102 antibody, clone B-T1 inhibits cell adhesion (Xie et al. 1995)and T cell activation and also recognises soluble ICAM-2.
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	B-T1
Isotype	IgG1
Target Name	CD102 / ICAM2
Species	Human
Immunogen	ICAM-2 transfected CHO cells.
Conjugation	Un-conjugated
Alternate Names	CD102; CD antigen CD102; Intercellular adhesion molecule 2; ICAM-2

Application Instructions

Application table

Application	Dilution
FACS	Neat
ICC/IF	Assay-dependent
IP	Assay-dependent
WB	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	Purified by ion exchange chromatography.
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]
Calculated Mw	31 kDa