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Anti-ICAM2 Picoband Antibody

Catalog # ABO10299

Product Information

Application	WB, E
Primary Accession	P13598
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for ICAM2 detection. Tested with WB, Direct ELISA in Human;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	3384
Other Names	Intercellular adhesion molecule 2, ICAM-2, CD102, ICAM2
Calculated MW	30654
Application Details	Western blot, 0.1-0.5 □g/ml Direct ELISA, 0.1-0.5 □g/ml
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg NaN_3.
Immunogen	E. coli-derived human ICAM2 recombinant protein (Position: K25-Q223).
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20˚C; for one year. After r˚Constitution, at 4˚C; for one month. It˚Can also be aliquotted and stored frozen at -20˚C; for a longer time. Avoid repeated freezing and thawing.

Protein Information

Name	ICAM2 (HGNC:5345)
Function	Cell adhesion molecule that functions as a receptor ligand of the signaling receptor ITGAL:ITGB2/LFA-1 (lymphocyte-function associated (LFA) molecule

	1) ensuring leukocyte cell-cell adhesion on resting cells (PubMed:10077629, PubMed:1676048, PubMed:2497351). Also endothelial blood vessels receptor ligand of dendritic cell (DC) CD209 signaling receptor that mediates triggering transendothelial migration of DC presursors from blood into peripheral tissues and, subsequently, into lymphoid tissues (PubMed:11017109). Mediates adhesive interactions important for antigen presentation, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance (Probable).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell projection, microvillus {ECO:0000250|UniProtKB:P35330}. Note=Co-localizes with RDX, EZR and MSN in microvilli. {ECO:0000250|UniProtKB:P35330}
Tissue Location	Constitutively expressed on leukocytes and endothelium (PubMed:1676048). Expressed on resting lymphocytes and monocytes, but not in neutrophils (PubMed:1676048). Abundantly expressed on endothelial vascular cells as well as lymphatic vessels in tonsils (PubMed:11017109).

Background

Intercellular adhesion molecule 2 (ICAM2), also known as CD102 (Cluster of Differentiation 102), is a human gene. 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.

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