Intercellular Adhesion Molecule 2 (ICAM2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Intercellular Adhesion Molecule 2 (ICAM2), Polyclonal Antibody
Full Product Name	APC-Linked Polyclonal Antibody to Intercellular Adhesion Molecule 2 (ICAM2)
Product Gene Name	anti-ICAM2 antibody
Product Synonym Names	CD & Adhesion molecule; Tumor immunity; Infection immunity
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	>=100ug/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against ICAM2. It has been selected for its ability to recognize ICAM2 in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: ICAM2 (MBS2111364) APC Conjugated Antibody: ICAM2 (MBS2107237)
OMIM	146630
3D Structure	ModBase 3D Structure for P13598
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Conjugation	APC
Cross Reactivity	Human
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-ICAM2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Related Product Information for anti-ICAM2 antibody	MBS2107237 is an antibody targeting ICAM2. Also known as APC-Linked Polyclonal Antibody to Intercellular Adhesion Molecule 2 (ICAM2). Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-ICAM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ICAM2. It may not necessarily be applicable to this product.

NCBI GI #	153082686
NCBI GeneID	3384
NCBI Accession #	NP_001093256.1
UniProt Primary Accession #	P13598
UniProt Related Accession #	P13598
GenBank Nucleotide #	NM_001099786.1
NCBI Official Full Name	intercellular adhesion molecule 2
NCBI Official Synonym Full Names	intercellular adhesion molecule 2
NCBI Official Symbol	ICAM2
NCBI Official Synonym Symbols	CD102
UniProt Protein Name	Intercellular adhesion molecule 2
Protein Family	Intercellular adhesion molecule
UniProt Gene Name	ICAM2
UniProt Synonym Gene Names	ICAM-2
UniProt Entry Name	ICAM2_HUMAN
NCBI Protein Information	intercellular adhesion molecule 2
NCBI Summary for ICAM2	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]
UniProt Comments for ICAM2	ICAM2: 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. Belongs to the immunoglobulin superfamily. ICAM family. Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 17q23.3 Cellular Component: membrane; integral to plasma membrane; plasma membrane; uropod Molecular Function: integrin binding Biological Process: cell-cell adhesion; regulation of immune response; extracellular matrix organization and biogenesis; cell adhesion
Research Articles on ICAM2	**1.** Lewis-antigen-containing ICAM-2/3 on Jurkat leukemia cells interact with DC-SIGN to regulate DC functions.
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