

ICAM3 monoclonal antibody, clone MEM-171 (PE)

Catalog # MAB5038

Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against native ICAM3.
Immunogen	Native purified ICAM3 from human granulocytes.
Host	Mouse
Theoretical MW (kDa)	120-130
Reactivity	Human
Specificity	This antibody MEM-171 recognizes an epitope in the D2 domain of CD50 (ICAM-3), a 120-130 KDa type I membrane protein (immunoglobulin supergene family) expressed on leukocytes, endothelial cells and Langerhans cells; it is negative on platelets and erythrocytes.
Form	Liquid
Conjugation	PE
Isotype	IgG1
Recommend Usage	Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10 ⁶ cells in a suspension) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — ICAM3

Entrez GeneID	3385
Gene Name	ICAM3
Gene Alias	CD50, CDW50, ICAM-R
Gene Description	intercellular adhesion molecule 3
Omim ID	146631
Gene Ontology	Hyperlink
Gene Summary	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 is constitutively and abundantly expressed by all leucocytes and may be the most important ligand for LFA-1 in the initiation of the immune response. It functions not only as an adhesion molecule, but also as a potent signalling molecule. [provided by RefSeq]
Other Designations	intercellular adhesion molecule-3

Publication Reference

- [DC-SIGN binds ICAM-3 isolated from peripheral human leukocytes through Lewis x residues.](#)
 Bogoevska V, Nollau P, Lucka L, Grunow D, Klampe B, Uotila LM, Samsen A, Gahmberg CG, Wagener C.
 Glycobiology 2006 Dec; 17(3):324.
- [Induction of tyrosine phosphorylation during ICAM-3 and LFA-1-mediated intercellular adhesion, and its regulation by the CD45 tyrosine phosphatase.](#)
 Arroyo AG, Campanero MR, Sanchez-Mateos P, Zapata JM, Ursa MA, del Pozo MA, Sanchez-Madrid F.
 The Journal of Cell Biology 1994 Sep; 126(5):1277.
- [ICAM-3, the third LFA-1 counterreceptor, is a co-stimulatory molecule for both resting and activated T lymphocytes.](#)
 Hernandez-Caselles T, Rubio G, Campanero MR, del Pozo MA, Muro M, Sanchez-Madrid F, Aparicio P.
 European Journal of Immunology 1993 Nov; 23(11):2799.

 Application: Flow Cyt, Human, Human T cells

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Arthritis](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hepatitis C](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Severe Acute Respiratory Syndrome](#)