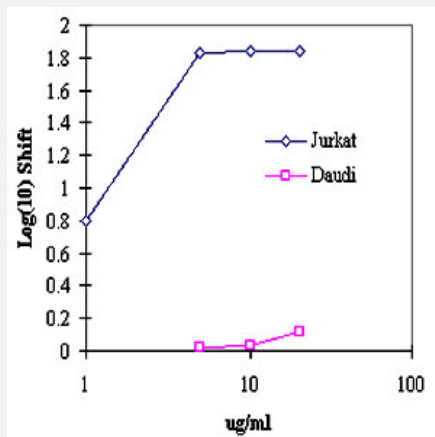


# ICAM3 monoclonal antibody, clone 186-2G9

Catalog # MAB6936      Size 100 ug

## Applications



### Flow Cytometry

5 X 10<sup>5</sup> cultured human Jurkat cells per tube were washed and preincubated ~5 minutes on ice with 20 ml of 250 mg/mL human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80 ml of ICAM3 monoclonal antibody, clone 186-2G9 (Cat # MAB6936) at 10 mg/mL. Cells were washed twice and incubated with Goat anti-Mouse IgG/FITC, after which they were washed three times, fixed and analyzed using a BD FACS Calibur. Cells stained positive with a mean shift of 1.84 log<sub>10</sub> fluorescent units when compared to a Mouse IgG2b negative control at a similar concentration.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against native ICAM3.
<b>Immunogen</b>	Native purified ICAM3 from stimulated human leukocytes.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Isotype</b>	IgG2b, kappa
<b>Recommend Usage</b>	The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)
<b>Storage Instruction</b>	Store at 4°C.

## Applications

- Flow Cytometry

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## Gene Info — ICAM3

Entrez GeneID	<a href="#">3385</a>
Gene Name	ICAM3
Gene Alias	CD50, CDW50, ICAM-R
Gene Description	intercellular adhesion molecule 3
Omim ID	<a href="#">146631</a>
Gene Ontology	<a href="#">Hyperlink</a>
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

- [Critical amino acids in the lymphocyte function-associated antigen-1 I domain mediate intercellular adhesion molecule 3 binding and immune function.](#)

van Kooyk Y, Binnerts ME, Edwards CP, Champe M, Berman PW, Figdor CG, Bodary SC.

The Journal of Experimental Medicine 1996 Mar; 183(3):1247.

Application: Func, Human, Human lymphocytes

- [Analysis of the binding site on intercellular adhesion molecule 3 for the leukocyte integrin lymphocyte function-associated antigen 1.](#)

Holness CL, Bates PA, Little AJ, Buckley CD, McDowall A, Bossy D, Hogg N, Simmons DL.

The Journal of Biological Chemistry 1995 Jan; 270(2):877.

## 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](#)