

Mouse anti-Human ICAM-1 Monoclonal Antibody | anti-ICAM1 antibody

Anti-ICAM-1 Antibody (PerCP), Mouse Monoclonal

CATALOG # AAA254850	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
-------------------------------	----------------------	----------------------------	---

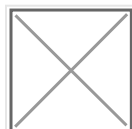
PRODUCT SYNONYMS

ICAM-1; Monoclonal Antibody; Anti-ICAM-1 Antibody (PerCP); Mouse Monoclonal; ICAM-1/CD54 Antibody (PerCP); Mouse MAb; intercellular adhesion molecule 1; Anti-BB2 Antibody; Anti-CD54 Antibody; Anti-ICAM-1 Antibody; Anti-P3.58 Antibody; anti-ICAM1 antibody

PRODUCT SPECIFICATIONS

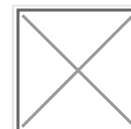
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	01
Specificity	Human ICAM-1/CD54
Purity/Purification	Protein A
Form/Format	Liquid; Aqueous solution containing 0.5% BSA and 0.09% sodium azide
Concentration	5ul/Test, 0.1mg/ml (varies by lot)
Applicable Applications for anti-ICAM1 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human ICAM-1 protein
Conjugation	PerCP
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human ICAM-1/CD54 (rh ICAM-1/CD54) and conjugated with PerCP under optimum conditions, the unreacted PerCP was removed.
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human ICAM-1 expression on human whole blood lymphocytes. Cells were stained with PerCP-conjugated anti-Human ICAM-1. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable lymphocytes.



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human ICAM1(CD54) expression on human whole blood lymphocytes. Cells were stained with PerCP-conjugated anti-Human ICAM1(CD54). The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable lymphocytes.

ADDITIONAL INFORMATION

Related Product Information for anti-ICAM1 antibody	Intercellular adhesion molecule-1 (ICAM-1, or CD54) is a 90 kDa member of the immunoglobulin (Ig) superfamily and is critical for the firm arrest and transmigration of leukocytes out of blood vessels and into tissues. ICAM-1 is constitutively present on endothelial cells, but its expression is increased by proinflammatory cytokines. The endothelial expression of ICAM-1 is increased in atherosclerotic and transplant-associated atherosclerotic tissue and animal models of atherosclerosis. Additionally, ICAM-1 has been implicated in the progression of autoimmune diseases. ICAM-1 is a ligand for LFA-1(integrin). When activated, leukocytes bind to endothelial cells via ICAM-1/LFA-1 interaction and then transmigrate into tissues. Presence with heavy glycosylation and other structural characteristics, ICAM-1 possesses binding sites for some immune-associated ligands and serves as the binding site for entry of the major group of human Rhinovirus (HRV) into various cell types. ICAM-1 also becomes known for its affinity for Plasmodium falciparum-infected erythrocytes (PFIE), providing more of a role in infectious disease. Previous studies have shown that ICAM-1 is involved in inflammatory reactions and that a defect in ICAM-1 gene inhibits allergic contact hypersensitivity.
Product Categories/Family for anti-ICAM1 antibody	Neuroinflammation
References	Xu H, et al. (2001) The role of ICAM-1 molecule in the migration of Langerhans cells in the skin and regional lymph node. Eur J Immunol. 31(10): 3085-93.Terol MJ, et al. (2003) Soluble intercellular adhesion molecule-1 (s-ICAM-1/s-CD54) in diffuse large B-cell lymphoma: association with clinical characteristics and outcome. Ann Oncol. 14(3): 467-74.Mendez MP, et al. (2006) Shedding of soluble ICAM-1 into the alveolar space in murine models of acute lung injury. Am J Physiol Lung Cell Mol Physiol. 290(5): L962-70.Lawson C, et al. (2009) ICAM-1 signaling in endothelial cells. Pharmacol Rep. 61(1): 22-32.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466198
NCBI GeneID	3383
NCBI Accession #	NP_000192.2
NCBI GenBank Nucleotide #	NM_000201.2
UniProt Accession #	P05362 ; Q5NKV7 ; Q96B50 ; B2R6M3
Molecular Weight	57,825 Da
NCBI Official Full Name	intercellular adhesion molecule 1
NCBI Official Synonym Full Names	intercellular adhesion molecule 1
NCBI Official Symbol	ICAM1
NCBI Official Synonym Symbols	BB2; CD54; P3.58
NCBI Protein Information	intercellular adhesion molecule 1; ICAM-1; cell surface glycoprotein P3.58; major group rhinovirus receptor; intercellular adhesion molecule 1 (CD54), human rhinovirus receptor
UniProt Protein Name	Intercellular adhesion molecule 1
UniProt Gene Name	ICAM1
UniProt Synonym Gene Names	ICAM-1
UniProt Entry Name	ICAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/icam-1-antibody-clone-01-flow-cytometry-elisa/254850>