

Mouse anti-Dog CD54 Monoclonal Antibody | anti-CD54 antibody

MOUSE ANTI HUMAN CD54

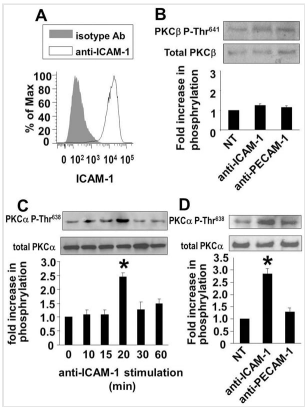
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49422	Mouse	Dog	Immunoprecipitation, Functional Assay, Flow Cytometry, Functional Assay, ELISA, Immunohistochemistry

PRODUCT SYNONYMS

CD54; Monoclonal Antibody; MOUSE ANTI HUMAN CD54; anti-CD54 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Dog
Clonality	Monoclonal
Isotype	IgG1
Clone Number	84H10
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	532
Applicable Applications for anti-CD54 antibody	IP (Immunoprecipitation), FA (Functional Assay), FCM/FACS (Flow Cytometry), ELISA, IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Immunogen	K562 cell line
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the MOPC 315 mouse myeloma cell line.
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Store at 4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.



Application Data

Published customer image: ICAM-1 activates PKCα but not PKCβ in HMVECLs. A) At 70% confluence, HMVECLs cells pretreated with 10 ng/ml TNFα to induce ICAM-1 expression. At 24 hrs, the cells were suspended and immunolabeled with anti-ICAM-1 antibodies and examined by flow cytometry for ICAM-1 expression. B -D) HMVECLs were pretreated with TNFα as in panel A. At 24 hrs, the endothelial cells were nonstimulated (NS) or stimulated with a confluent monolayer of anti-ICAM-1-coated beads or the control anti-PECAM-1-coated beads for 20 minutes in B and D or for the times indicated in C. The cells were lysed and the activation of PKCβ and PKCα was examined by western blot with B) anti-phospho-PKCβIThr641 or anti-PKCβ and C -D) anti-phospho-PKCαThr638 or anti-PKCα. Shown are representative blots. Shown are the mean +/- SEM of 3 experiments. NT, nontreated. *, p

ADDITIONAL INFORMATION

Related Product Information for anti-CD54 antibody

Mouse anti Human CD54 antibody, clone 84H10 recognizes the D1 domain of ICAM-1.

It reacts with the ICAM-1 antigen found in low levels on lymphocytes and strongly expressed on monocytes and granulocytes. This molecule is inducible to high levels by mitogenic lectins on lymphocytes and by IL-1 beta or IFN gamma on other cell types such as fibroblasts and endothelial cells. Mouse anti Human CD54 antibody, clone 84H10 detects an antigen of ~90 kDa.

Mouse anti Human CD54 antibody, clone 84H10 has been reported to block ICAM1 mediated cellular adhesion and block binding of LFA-1 and P. falciparum to ICAM-1.

Mouse anti Human CD54 antibody, clone 84H10 is routinely tested in flow cytometry on rat splenocytes.

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
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; intercellular adhesion molecule 1 (CD54), human rhinovirus receptor; major group 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd54-antibody-clone-84h10-immunoprecipitation-functional-assay-flow-cytometry-immunohistochemistry-elisa/49422>