

ARG66134 anti-CD54 / ICAM1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD54 / ICAM1
Tested Reactivity	Hu
Tested Application	ELISA, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD54 / ICAM1
Species	Human
Immunogen	CHO cells derived recombinant Human CD54 / ICAM1. (QTSVSPSKVI LPRGGSVLVT CSTSCDQPKL LGIETPLPKK ELLLPGNRRK VYELSNVQED SQPMCYSNCP DGQSTAKTFL TVYWTPERVE LAPLPSWQPV GKNLTLRCQV EGGAPRANLT VVLLRGEKEL KREPAVGEPA EVTTTVLVRR DHHGAFSCR TELDLRPQGL ELFENTSAPY QLQTFVLPAT PPQLVSPRVL EVDTQGTVC SLDGLFPVSE AQVHLALGDQ RLNPTVYGN DSFSAKASVS VTADEGTQR LTCAVILGNQ SQETLQVTI YSFPAPNVIL TKPEVSEGE VTKCEAHR AKVTLNGVPA QPLGPRAQLL LKATPEDNGR SFSCSATLEV AGQLIHKNQT RELRVLYGPR LDERDCPGNW TWPENSQQTP MCQAWGNPLP ELKCLKDGTFL PLPIGESVTV TRDLEGTLYC RARSTQGEVT RKVTVNVLSP RYE)
Conjugation	Un-conjugated
Alternate Names	CD54; CD antigen CD54; BB2; P3.58; Intercellular adhesion molecule 1; Major group rhinovirus receptor; ICAM-1

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG66135 as a detection antibody
	Neut	8.0 µ/ml (To yield [ND50] of the biological activity of Human ICAM-1 (10 ng/ml))
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

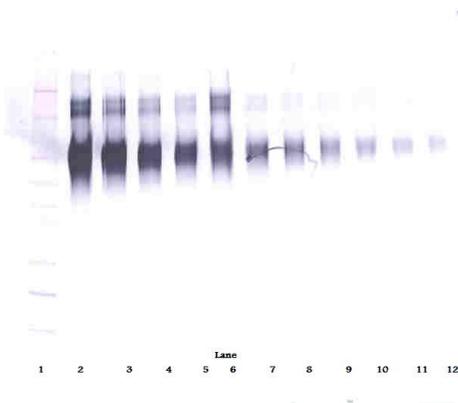
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

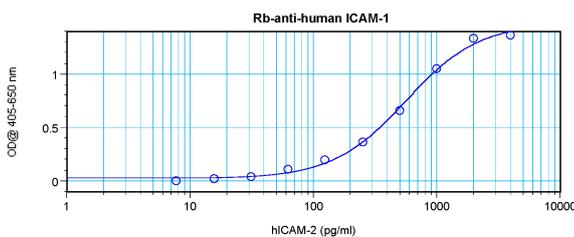
Database links	GeneID: 3383 Human Swiss-port # P05362 Human
Gene Symbol	ICAM1
Gene Full Name	intercellular adhesion molecule 1
Background	This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008]
Function	ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation (By similarity). [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System antibody; Cytotoxic T Cell Surface Study antibody
Calculated Mw	58 kDa
PTM	Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis.

Images



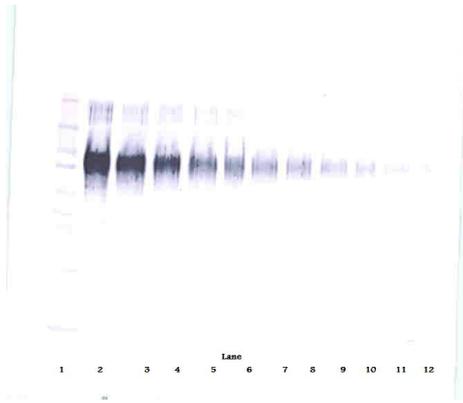
ARG66134 anti-CD54 / ICAM1 antibody WB image

Western blot: 250 - 0.24 ng of Human ICAM-1 stained with ARG66134 anti-CD54 / ICAM1 antibody, under non-reducing conditions.



ARG66134 anti-CD54 / ICAM1 antibody standard curve image

Sandwich ELISA: ARG66134 anti-CD54 / ICAM1 antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG66135 anti-CD54 / ICAM1 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66134 anti-CD54 / ICAM1 antibody WB image

Western blot: 250 - 0.24 ng of Human ICAM-1 stained with ARG66134 anti-CD54 / ICAM1 antibody, under reducing conditions.