

ICAM-1/CD54 active protein

Recombinant human ICAM-1/CD54 protein

CATALOG # AAA48983	HOST Baculovirus	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

ICAM-1/CD54; Recombinant human ICAM-1/CD54 protein; Intercellular adhesion molecule 1; ICAM1; Major group rhinovirus receptor; BB2; CD54; ICAM-1/CD54 active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	0.25mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	28-480aa
Sequence	Gln28 Q TSVSPSKVIL PRGGSVLVTC STSCDQPKLL GIETPLPKKE LLLPGNNRKV YELSNVQEDS QPMCYSNCPD GQSTAKTFLT VYWTPERVEL APLPSWQPVG KNLTLCRQVE GGAPRANLTV VLLRGEKELK REPAVGEPAE VTTTVLVRRD HHGANFSCRT ELDLRPQGLE LFENTSAPYQ LQTFVLPATP PQLVSPRVLE VDTQGTVVCS LDGLFPVSEA QVHLALGDQR LNPTVTYGND SFSAKASVSV TAEDEGTQRL TCAVILGNQS QETLQVTIY SFPAPNVILT KPEVSEGTEV TVKCEAHPRA KVTLNGVPAQ PLGPRAQLLL KATPEDNGRS FSCSATLEVA GQLIHKNQTR ELRVLYGPRL DERDCPGNWT WPENSQQTPM CQAWGNPLPE LKCLKDGTFF LPIGESVTVT RDLEGTLYLCR ARSTQGEVTR EVTVNVLSR YE
Applicable Applications for ICAM-1/CD54 active protein	Bioactivity, SDS-PAGE
Species	Human
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Tag	hIgG-His-Tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for ICAM-1/CD54 active protein	ICAM-1/CD54, also known as intercellular adhesion molecule 1, is a member of the immunoglobulin superfamily. It expression is weak on leukocytes, epithelial and resting endothelial cells, as well as some other cell types, but expression can be stimulated by IFNG, TNFa, IL-1b and LPS. They are important in inflammation, immune responses and in intracellular signalling events. It is known to bind to leucocyte integrins CD11/CD18 such as LFA-1 and Macrophage-1 antigen, during inflammation and in immune responses. It has been implicated in subarachnoid hemorrhage and expressed by respiratory epithelial cells is also the binding site for rhinovirus, the causative agent of most common colds. Recombinant human ICAM-1/CD54, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for ICAM-1/CD54 active protein	Immunology , Adhesion & Movement ; Proteins
References	Yusuf-Makagiansar H. et al. (2001) Peptides. 22:1955-1962

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557878
NCBI GeneID	3383
NCBI Accession #	NP_000192.1
NCBI GenBank Nucleotide #	NM_000201.1
UniProt Accession #	P05362; Q5NKV7; Q96B50; B2R6M3
Molecular Weight	76.5kDa (692aa) 70-100KDa (SDS-PAGE under reducing conditions.)
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
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/baculovirus-active-protein/icam-1-cd54/48983>