

ICAM-1, human recombinant protein

Intercellular adhesion molecule 1, major group rhinovirus receptor, CD54 antigen

Catalog # PBV10791r

Specification**ICAM-1, human recombinant protein - Product info**

Primary Accession

[P05362](#)

Calculated MW

49.5 kDa KDa

ICAM-1, human recombinant protein - Additional Info

Gene ID

3383

Gene Symbol

ICAM1

Other Names

Intercellular adhesion molecule 1, major group rhinovirus receptor, CD54 antigen

Gene Source

Human

Source

CHO Cells

Assay&Purity

SDS-PAGE; ≥98%

Assay2&Purity2

HPLC;

Recombinant

Yes

Sequence

QTSVSPSKVI LPRGGSVLVT CSTSCDQPKL
LGIETPLPKK ELLPGNNRK VYELSNVQED
SQPMCYSNCP DGQSTAKTFL TVYWTPERVE
LAPLPSWQPV GKNLTLRCQV EGGAPRANLT
VLLRGEKEL KREPAVGEP A EVTTTVLVRR
DHHGANFSCR TELDLRPQGL ELFENTSAPY
QLQTFVLPAT PPQLVSPRVL EVDTQGTVC
SLDGLFPVSE AQVHLALGDQ RLNPTVTYGN
DSFSAKASVS VTADEGTQR LTCAVILGNQ
SQETLQVTI YSFPAPNVIL TKPEVSEGTE
VTVKCEAHPR AKVTLNGVPA QPLGPRAQLL
LKATPEDNGR SFSCSATLEV AGQLIHKNT
RELRVLYGPR LDERDCPGNW TWPENSQQTP
MCQAWGNPLP ELKCLKDGT F PLPIGESVT
TRDLEGTYLC RARSTQGEV RKVTVNVLS
RYE

Target/Specificity

ICAM-1

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 7.5.

ICAM-1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ICAM-1, human recombinant protein - Images

ICAM-1, human recombinant protein - Background

ICAMs are members of the Ig superfamily of calcium-independent transmembrane glycoproteins. ICAM-1 is a ligand for lymphocyte function-associated (LFA) and Mac-1 integrins and the major human rhinovirus receptor. The primary function of ICAM-1 is to provide adhesion between endothelial cells and leukocytes after stress or injury. The human ICAM-1 gene codes for a 505 amino acid transmembrane glycoprotein containing a 29 amino acid cytoplasmic domain, a 23 amino acid transmembrane domain, and a 453 amino acid extracellular domain. Recombinant human ICAM-1 is a 49.5 kDa glycoprotein comprising the extracellular domain (453 amino acid residues) of ICAM-1. Monomeric glycosylated ICAM-1 migrates at an apparent molecular weight of approximately 72.0-80.0 kDa by SDS-PAGE analysis under reducing conditions.

ICAM-1, human recombinant protein - References

Simmons D., et al. Nature 331:624-627(1988).
Staunton D.E., et al. Cell 52:925-933(1988).
Tomassini J.E., et al. Proc. Natl. Acad. Sci. U.S.A. 86:4907-4911(1989).
Voraberger G.F., et al. J. Immunol. 147:2777-2786(1991).
Kalinine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.