

# Recombinant human ICAM-1/CD54 protein

Catalog Number: ATGP3030

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

28-480aa

### UniProt No.

P05362

### NCBI Accession No.

NP\_000192.1

### Alternative Names

Intercellular adhesion molecule 1, BB2, CD54, Major group rhinovirus receptor

## PRODUCT SPECIFICATION

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### Molecular Weight

76.5 kDa (692aa)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

hIgG-His-Tag

### Application

SDS-PAGE

### Storage Condition

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.

## BACKGROUND

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### Description

ICAM1, also known as intercellular adhesion molecule 1, is a member of the immunoglobulin superfamily. 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. Recombinant human ICAM1, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and

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purified by using conventional chromatography techniques.

## Amino acid Sequence

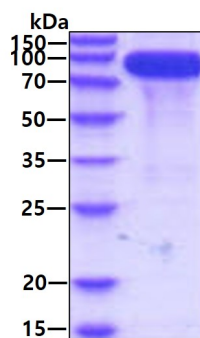
QTSVSPSKVI LPRGGSVLVT CSTSCDQPKL LGIETPLPKK ELLLPGNRKR VYELSNVQED SQPMCYSNCP DGQSTAKTFL  
TVYWTPERVE LAPLPSWQPV GKNLTLRCQV EGGAPRANLT VVLLRGEKEL KREPAVGEP A EVTTTVLVRR DHHGANFSCR  
TELDLRPQGL ELFENTSAPY QLQTFVLPAT PPQLVSPRVL EVDTQGTVVC SLDGLFPVSE AQVHLALGDQ RLNPTVITYGN  
DSFSAKASVS VTAEDGTQR LTCAVILGNQ SQETLQTVTI YSFPAPNVIL TKPEVSEGTE VTVKCEAHPR AKVTLNGVPA  
QPLGPRAQLL LKATPEDNGR SFSCSATLEV AGQLIHKNQT RELRVLYGPR LDERDCPGNW TWPENSQQTTP MCQAWGNPLP  
ELKCLKDGTF PLPIGESVTV TRDLEGTYLC RARSTQGEVT REVTNVNLSP RYE<VEPKSCD KTHTCPPCPA PELLGGPSVF  
LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC  
KVS NKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQ PENNY KTT PPVLDS  
GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH>

## General References

Yusuf-Makagiansar H. et al. (2001) Peptides. 22:1955-1962

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain