

**AR51850PU-S****Human ICAM1 (28-480, His-tag) - Purified****Alternate names:**

BB2, CD54, Intercellular adhesion molecule 1

**Quantity:**

50 µg

**Concentration:**

0.25 mg/ml (determined by Bradford assay)

**Background:**

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.

**NCBI:**[NP\\_000192.1](#)**Species:**

Human

**Format:****State:** Liquid purified protein**Purity:** >90% by SDS – PAGE.**Buffer System:** Phosphate buffered saline (pH 7.4) containing 10% glycerol.**Endotoxin Level:** < 1.0 Eu per 1 microgram of protein (determined by LAL method)**Description:**

Recombinant human ICAM1, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**AA Sequence:**

QTSVSPSKVI LPRGGSVLVT CSTSCDQPKL LGIETPLPKK ELLLPGNRKR VYELSNVQED  
SQPMCYSNCP DGQSTAKTFL TVYWTPERVE LAPLPSWQPV GKNTLRLRCQV EGGAPRANLT  
VLLLRGEKEL KREPAVGPEA EVTTTTLVRR DHGANGFSCR TELDLRPQGL ELFENTSAPY  
QLQTFVLPAT PPQLVSPRVL EVDTQGTVVC SLDGLFPVSE AQVHLALGDQ RLNPTVITYGN  
DSFSAKASVS VTAEDGTRQ LTCAVILGNQ SQETLQTVTI YSFPAPNVIL TKPEVSEGTE  
VTVKCEAHPR AKVTLNGVPA QPLGPRAQLL LKATPEDNGR SFSCSATLEV AGQLIHKNQT  
RELRLVLYGPR LDERDCPGNW TWPENSQOTP MCQAWGNPLP ELKCLKDGTG PLPIGESVTV  
TRDLEGTLYC RARSTQGEVT REVTNVNLSP RYEVEPKSCD KTHTCPPCPA PELLGGPSVF  
LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR  
VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN  
QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN  
VFSCSVMHEA LHNHYRQKSL SLSPGKHHHH HH

**Molecular weight:** 76.5 kDa (692aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

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

Pictures:

