

## 32-20599: Recombinant Human ICAM-1(Discontinued)

**Reactivity :** Human

**Alternative Name :** Intercellular adhesion molecule 1, major group rhinovirus receptor, CD54 antigen

### Description

#### Source:CHO cells

ICAMs are members of the Ig superfamily of calcium-independent transmembrane glycoproteins. ICAM-1 is a ligand for the lymphocyte function-associated antigen (LFA) and Mac-1 integrins, as well as 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** QTSVSPSKVI LPRGGSVLVT CSTSCDQPKL LGIETPLPKK ELLLPGNRK VYELSNVQED SQPMCYSNCP  
DGQSTAKTFL TVYWTPERVE LAPLPSWQPV GKNLTLRCQV EGGAPRANLT VVLLRGEKEL KREPAVGPEA  
EVTTTVLVRR DHHGANFSCR TELDLRPQGL ELFENTSAPY QLQTFVLPAT PPQLVSPRVL EVDTQGTVC  
SLDGLFPVSE AQVHLALGDQ RLNPTVTYGN DSFSKASVS VTADEGTQR LTCAVILGNQ SQETLQVTI  
YSFPAPNVIL TKPEVSEGTE VTKCEAHR AKVTLNGVPA QPLGPRAQLL LKATPEDNGR SFSCSATLEV  
AGQLIHKNT RELRVLYGPR LDERDCPGNW TWPENSQQTP MCQAWGNPLP ELKCLKDGT  
PLPIGESVTV TRDLEGTLYC RARSTQGEVT RKVTVNVLSP RYE

### Application Note

ICAM-1 supported the adhesion of more than 50% PMA-stimulated HSB2 cells to plates coated at 25 µg/ml ICAM-1 concentration.