

## Human ICAM1/CD54 Recombinant Protein

PX-P3044-10

### DESCRIPTION

Intercellular Adhesion Molecule-1 (ICAM-1) also known as CD54 has 7 potential N-linked glycosylation sites. It is a single chain membrane glycoprotein present on the surface of a multiple non-hematopoietic and hematopoietic cell types and has a function in signal transduction, cell signaling and lymphocyte adhesion. ICAM-1 mediates cell adhesion by binding to integrin CD11a/CD18 (leukocyte adhesion molecule, LFA-1) and to CD11b/CD18 (Mac-1). Soluble ICAM-1 is found in a biologically active form in serum and is elevated in patients with diversified inflammatory conditions.

### OVERVIEW

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<b>SIZE</b>	10 ug
<b>ORIGIN SPECIES</b>	Human
<b>FRAGMENT</b>	
<b>PROTEIN DELIVERED WITH TAG</b>	Yes
<b>MOLECULAR WEIGHT WITH TAG IF ANY</b>	50.34 kDa
<b>DELIVERY CONDITION</b>	Dry Ice

### PRODUCT INFORMATION

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<b>EXPRESSION SYSTEM</b>	Prokaryotic expression
<b>HOST</b>	E.coli
<b>PURITY</b>	95%
<b>PROTEIN ACCESSION</b>	
<b>FORM</b>	Frozen
<b>BUFFER</b>	PBS,pH 7.5 urea +8M
<b>STABILITY &amp; STORAGE</b>	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

## MORE INFO

### GENE ID

### SWISSPROTID

UNIPROT ID P05362

UNIPROT LINK <http://www.uniprot.org/uniprot/P05362>

### NCBI GENE ALIASES

SYNONYMS CD54, BB2, P3.58, Human Rhinovirus Receptor, Major group rhinovirus receptor, Intercellular Adhesion Molecule 1, Major group rhinovirus receptor, ICAM-1

## PROTEIN SEQUENCE

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QTSVSPSKVILPRGGSVLVTCSTSCDQPKLLGIETPLPKKELLPGNNRKVYELSNVQEDSQPMCYSNCPDGQSTAKTFLT VYWT PERVELAPLPSWQPVGKNLTL  
RCQVEGGAPRANLTVLLRGEKELKREPAVGEPAEVTTTLVLRDHHGANFSCRTELDLRPQGLELFENTSAPYQLQTFVLPATPPQLVSPRVLEVDTQGTVVCS  
LDGLFPVSEAQVHLALGDQRLNPTVTYGNDSFSAKASVSVTAED

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