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**Product Data Sheet**


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Product Name: ICAM3 Human

Cat. No.: GP26294

Batch No.: 1

**Product Data**

Purity &gt;98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms ICAM3, Intercellular adhesion molecule 3, ICAM-3, CD50, CDW50, ICAM-R, intercellular adhesion molecule 3 isoform 1

ADLQEFLLRV EPQNPVLSAG GSLFVNCSTD CPSSEKIALE TSLSKELVAS  
 GMGWAAFNLS NVTGNSRILC SVYCNGSQIT GSSNITVYRL PERVELAPLP  
 PWQPVGQNFT LRCQVEDGSP RTSLTVVLLR WEEELSRQPA VEEPAEVTAT  
 VLASRDDHGA PFSCRTELDM QPQGLGLFVN TSAPRQLRTF VLPVTPPRLV  
 APRFLEVETS WPVDCTLDGL FPASEAQVYL ALGDQMLNAT VMNHGDTLTA  
 TATATARADQ EGAREIVCNV TLGGERREAR ENLTVFSFLG PIVNLSEPTA  
 Amino Acid HEGSTVTVSC MAGARVQVTL DGVPAAAPGQ PAQLQLNATE SDDGRSFFCS  
 Sequence ATLEVDGEFL HRNSSVQLRV LYGPKIDRAT CPQHLKWKDK TRHVLQCQAR  
 GNPYPELRCL KEGSSREVPV GIPFFVNVTH NGTYQCQASS SRGKYTLVVV  
 MDIEAGSSHV EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR  
 TPEVTCVVVD VSHEDPEVKF NWWYVDGVEVH NAKTKPREEQ YNSTYRVVSV  
 LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR  
 DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTP PVLDSGDGSSF  
 LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKHHHHHH

Formulation The ICAM3 solution (0.25mg/1ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.

**Introduction**

ICAM-3/CD50, or CD50 or Cluster of Differentiation 50 is a protein, part of the intercellular adhesion molecule superfamily. every ICAM peptides are type I transmembrane glycoproteins, bind to leukocyte adhesion LFA-1 & has 2-9 immunoglobulinlike C2-type domains. ICAM-3/CD50 can be found in every leukocyte and acts as a crucial ligand for LFA-1 in the start of the immune system response. ICAM-

**Caution: Product has not been fully validated for medical applications. For research use only.**

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3/CD50 acts as an adhesion molecule and is also a potent signaling protein.

### Biological Activity

Measured by the ability of the immobilized protein to support the adhesion of HL-60 human promyelocytic cells. When cells are added to Human ICAM-3/CD50 coated plates, the ED50 range  $\leq 4\mu\text{g/ml}$ .

### Stability

Store at  $46\text{yC}$  if entire vial will be used within 2-4 weeks. Store, frozen at  $-206\text{yC}$  for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

ICAM3 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 698 amino acids (30-485 a.a) and having a molecular mass of 76.7kDa. ICAM3 is fused to a 242 amino acid hIgG-His-Tag at C-terminus & purified by proprietary chromatographic techniques.

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