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## 32-13264: ICAM3 Human

**Application :** Functional Assay

**Alternative Name :** ICAM3, Intercellular adhesion molecule 3, ICAM-3, CD50, CDW50, ICAM-R, intercellular adhesion molecule 3 isoform 1

## Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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-3/CD50 acts as an adhesion molecule and is also a potent signaling protein.
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.

## Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

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

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C 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.

**Amino Acid :** 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 HEGSTVTVSC MAGARVQVTL DGVPAAAPGQ PAQLQLNATE SDDGRSFFCS ATLEVDGEFL HRNSSVQLRV LYGPKIDRAT CPQHLKWKDK TRHVLQCQAR GNPYPELRCL KEGSSREVPV GIPFFVNVTH NGTYQCQASS SRGKYTLVVV MDIEAGSSHV EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKHHHHHH Â

## Application Note

Measured by the ability of the immobilized protein to support the adhesion of HL-60 human promyelocytic cells. ÃÂ When cells are added to Human ICAM-3/CD50 coated plates, the ED50 range <=4ug/ml.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***