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## Product Data Sheet

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Product Name: ICAM2 Human  
 Cat. No.: GP23686  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Intercellular Adhesion Molecule 2; ICAM2; ICAM-2; CD102; CD102 Antigen.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSSDEKVEF VHVRPKKLAV EPKGSLEVNC STTCNQPEVG GLETSLDKIL LDEQAQWKHY LVSNIHDTV LQCHFTCSGK QESMNSNVSV YQPPRQVILT LQPTLVAVGK SFTIECRVPT VEPLDSLTLF LFRGNETLHY ETFGKAAPAP QEATATFNST ADREDGHRNF SCLAVLDLMS RGGNIFHKHS APKMLEIYEP VSDSQ.		
Formulation	The ICAM2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

### Introduction

Intercellular Adhesion Molecule-2 (ICAM2) belongs to the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, containing 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. The ICAM2 protein has a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. ICAM2 mediates adhesive interactions vital for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and additional cellular interactions essential for immune response and surveillance.

### Stability

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.

### Background

ICAM2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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chain containing 225 amino acids (22-223) and having a molecular mass of 24.8 kDa. ICAM2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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