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Recombinant human ICAM-2/CD102 protein

Catalog Number: ATGP2645

PRODUCT INFORMATION

Expression system
E.coli

Domain
22-223aa

UniProt No.
P13598

NCBI Accession No.
NP_001093259

Alternative Names
Intercellular adhesion molecule 2, CD102

PRODUCT SPECIFICATION

Molecular Weight
24.8 kDa (225aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
ICAM2 is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance. Several transcript variants encoding the same protein have been found for this gene.

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Recombinant human ICAM2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

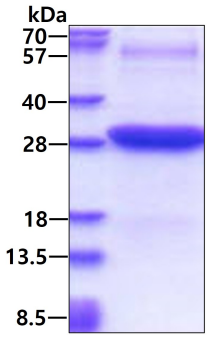
<MGSSHHHHHH SSGLVPRGSH MGS>SDEKVFE VHVRPKKLAV EPKGSLEVNC STTCNQPEVG GLETSLDKIL LDEQAQWKHY LVSNISHDTV LQCHFTCSGK QESMNSNVSV YQPPRQVILT LQPTLVAVGK SFTIECRVPT VEPLDSLTLF LFRGNETLHY ETFGKAAPAP QEATATFNST ADREDGHRNF SCLAVLDLMS RGGNIFHKHS APKMLEIYEP VSDSQ

General References

Staunton D.E., et al. (1989) Nature. 339:61-64
Liu T., et al. (2005) J. Proteome Res. 4:2070-2080

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.