

Recombinant mouse ICAM-1/CD54 protein

Catalog Number: ATGP3268

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

28-485aa

UniProt No.

P13597

NCBI Accession No.

NP_034623.1

Alternative Names

Intercellular adhesion molecule 1, ICAM1, CD54, Icam-1, Ly-47, MALA-2, MyD10

PRODUCT SPECIFICATION

Molecular Weight

51.2 kDa (466aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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

ICAM1, also known as intercellular adhesion molecule 1, belongs to the ICAM proteins. The proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation. Recombinant mouse ICAM1, fused to His-tag at C-terminus, was expressed in insect cell and purified

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by using conventional chromatography techniques.

Amino acid Sequence

QVSIHPREAF LPQGGSVQVN CSSCKEDLS LGLETQWLKD ELESQPNWKL FELSEIGEDS SPLCFENCGT VQSSASATIT
VYSFPESVEL RPLPAWQQVG KDLTLRCHVD GGAPRTQLSA VLLRGEEILS RQPVGGHPKD PKEITFTVLA SRGDHGANFS
CRTELDLRPQ GLALFSNVSE ARSLRTFDLP ATIPKLDTPD LLEVGTQQKL FCSLEGLFPA SEARIYLELG GQMPTQESTN
SSDSVSATAL VEVTEEFDRD LPLRCVLELA DQILETQRTL TVYNFSAPVL TLSQLEVSEG SQVTVKCEAH SGSKVLLSG
VEPRPPTQV QFTLNASSED HKRSFFCSAA LEVAGKFLFK NQTLELHVLY GPRLDETDCD GNWTWQEGSQ QTLKCQAWGN
PSPKMTCRRK ADGALLPIGV VKSVKQEMNG TYVCHAFSSH GNVTRNVYLT VLYHSQNN<VE HHHHHH>

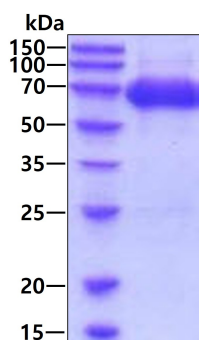
General References

Siu G., et al. (1989) J. Immunol. 143:3813-3820.

Lord K. A., et al. (1990) Oncogene 5:387-396.

DATA

SDS-PAGE



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