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# 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**

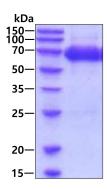
QVSIHPREAF LPQGGSVQVN CSSSCKEDLS LGLETQWLKD ELESGPNWKL FELSEIGEDS SPLCFENCGT VQSSASATIT VYSFPESVEL RPLPAWQQVG KDLTLRCHVD GGAPRTQLSA VLLRGEEILS RQPVGGHPKD PKEITFTVLA SRGDHGANFS CRTELDLRPQ GLALFSNVSE ARSLRTFDLP ATIPKLDTPD LLEVGTQQKL FCSLEGLFPA SEARIYLELG GQMPTQESTN SSDSVSATAL VEVTEEFDRT LPLRCVLELA DQILETQRTL TVYNFSAPVL TLSQLEVSEG SQVTVKCEAH SGSKVVLLSG VEPRPPTPQV QFTLNASSED HKRSFFCSAA LEVAGKFLFK NQTLELHVLY GPRLDETDCL 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

