

**Intercellular adhesion molecule 1, 28-485aa, Mouse, His tag, Insect cell**

**Cat.NO.: TP02668**

3th Edition

**Synonyms:** ICAM1, CD54, Icam-1, Ly-47, MALA-2

**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 by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 51.2kDa (466aa), 70-100kDa (SDS-PAGE under reducing conditions.)

**Sequences:**

QVSIHPREAFLPQGGSVQVNCSSSCKEDLSLGLTQWLKDELESGPNWKLFEELSEIGEDSSPLCFENCCTVQSSA  
SATITVYSFPESVELRPLPAWQQVGKDLTLRCHVDGGAPRTQLSAVLLRGEEILSRQPVGGHPKDPKEITFTVLASR  
GDHGANFSCRTDLRPQGLALFSNVSEARSLRTFDLPATIPKLDTPDLLEVGTQQKLFCSLEGLFPASEARIYLELG  
GQMPTQESTNSSDSVSATALVEVTEEFDRTLPLRCVLELADQILETQRTLTVYNFSAPVLTLSQLEVSEGSQVTVKC  
EAHSGSKVVLLSGVEPRPPTPQVQFTLNASSEDHKRSFFCSAALEVAGKFLFKNQTLHLVLYGPRLDLTDCLGNW  
TWQEGSQQTLKCQAWGNPSPKMTCRRKADGALLPIGVVKS VKQEMNGTYVCHAFSSHGNVTRNVYLT VLYHSQ  
NNVEHHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.