
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
SATITVYSFPESVELRPLPAWQQVGKDLTLRCHVDGGAPRTQLSAVLLRGEEILSRQPVGHPKDPKEITFTVLASR
GDHGANFSCRTDLRPPQGLALFSNVSEARSLRTFDLPATIPKLDTPDLLEVTGTTQKLFCSLEGLFPASEARIYLELG
GQMPTQESTNSSDSVSATALVEVTEEFDRTLPLRCVLELADQILETQRTLTVYNFSAPVLTLSQLEVSEGSQVTVKC
EAHSGSKVLLSGVEPRPPTPQVQFTLNASSEDHKRSFFCSAALEVAGKFLFKNQTLLELVLYGPRLDETDCGLNW
TWQEGSQQTLKCQAWGNPSPKMTCRRKADGALLPIGVVKSVMQEMNGTYVCHAFSSHGNVTRNVYLTVLYHSQ
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.