

**VCAM1, 25-698 aa, Human, His tag, E.coli**

**Cat.NO.: TP04463**

3th Edition

**Synonyms:**Vascular cell adhesion molecule 1, CD106; DKFZp 779G2333; INCAM-100; MGC99561

**Description:**VCAM1 is a member of the Ig superfamily and is a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of atherosclerosis and rheumatoid arthritis. Recombinant human VCAM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:**76 kDa (695aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMFKIETTPESRYLAQIGDSVSLTCSTTGCEPFFSWRTQIDSPLNGKVTNEGTTST  
LTMNPVSFGNEHSYLCTATCESRKLEKGIQVEIYSFPKDPEIHLSGPLEAGKPITVKCSVADVYPFDRLEIDLLKGDHL  
MKSQEFLEADRKSLETKSLEVTFTPVIEDIGKVLVCRAKLHIDEMDSVPTVRQAVKELQVYISPKNTVISVNPSTKL  
QEGGSVTMTCSSEGLPAPEIFWSKKLDNGNLQHLSGNATLTLIAMRMEDSGIYVCEGVNLIGKNRKEVELIVQEKP  
TVEISPGPRIAAQIGDSVMLTCSVMGCEPFSWRTQIDSPSGKVRSEGNTSTLTLSPVSFENEHSYLCTVTCGHK  
KLEKGIQVELYSFPRDPEIEMSGGLVNGSSVTVCKVPSVYPLDRLEIELLKGETILENIEFLEDTDMKSLENKSLEMT  
FIPTIEDTGKALVCQAKLHIDDMEFEPKQRQSTQTLVNVAPRDTTVLVSPSSILEEGSSVNMTCLSQGFPAPKILWS  
RQLPNGELQPLSENATLTLISTKMEDSGVYLCEGINQAGRSRKEVELIQVTPKDIKLTAFPSESVKEGDTVIISCTCG  
NVPETWIIKKKAETGDTVLSIDGAYTIRKAQLKDAGVYECESKNKVGSQRLSLTLDVQGRENNKDYFSPE

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**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.