
Product Data Sheet

Product Name: VCAM1 Human, sf9

Cat. No.: GP24985

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Vascular Cell Adhesion Molecule 1; CD106 Antigen; INCAM-100 ; Vascular Cell Adhesion Protein 1; V-CAM 1; VCAM-1; CD106; L1CAM.		
Amino Acid Sequence	<p>ADPEFFKIET TPESRYLAQI GDSVSLTCSTTGCESPFFSW RTQIDSPLNG KVTNEGTTST LTMNPVSFGN EHSYLCTATC ESRKLEKGIQ VEIYSFPKDPEIHLSGPLEA GKPITVKCSV ADVYPFDRLE IDLLKGDHLM KSQEFLEDAD RKSLETKSLE VTFTPVIEDIGKVLVCRAKL HIDEMDSVPT VRQAVKELQV YISPKNTVIS VNPSTKLQEG GSVTMTCSSE GLPAPEIFWSKKLDNGNLQH LSGNATLTLI AMRMEDSGIY VCEGVNLIK NRKEVELIVQ EKPFTVEISP GPRIAAQIGDSVMLTCSVMG CESPSFSWR T QIDSPLSGKV RSEGTNSTLT LSPVSFENEH SYLCTVTCGH KKLEKGIQVELYSFPRDPEI EMSGGLVNGS SVTVSCKVPS VYPLDRLEIE LLKGETILEN IEFLEDTDMK SLENKSLEMTFIPTIEDTGK ALVCQAKLHI DDMEFEPKQR QSTQTLVNV APRDTTVLVS PSSILEEGSS VNMTCLSQGFAPKILWSRQ LPNGELQPLS ENATLTLIST KMEDSGVYLC EGINQAGRSR KEVELIIQVT PKDIKLTAFPSSESVKEGDTV IISCTCGNVP ETWIILKKKA ETGDTVLSI DGAYTIRKAQ LKDAGVYECE SKNKVGSQRLSLTLDVQGRE NNKDYFSPEH HHHHH.</p>		
Formulation	VCAM1 protein solution (0.5mg/ml) contains PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

Introduction

VCAM1 is a member of the Ig superfamily. It is a cell surface sialoglycoprotein expressed by cytokine activated endothelium. VCAM-1 contains 6 or 7 immunoglobulin domains, and is expressed on both large and small vessels only after the endothelial cells are stimulated by cytokines. The protein has a number of functions including the regulation

Caution: Product has not been fully validated for medical applications. For research use only.

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of leukocyte migration, leukocyte endothelial cell adhesion and signal transduction and may play a role in a number of inflammatory diseases (atherosclerosis and rheumatoid arthritis).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

VCAM1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 685 amino acids (25-698 a.a.) and having a molecular mass of 75.6kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). VCAM1 is expressed with a 11 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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