
Product Data Sheet

Product Name: VCAM1 Mouse

Cat. No.: GP24986

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	V-CAM1; VCAM-1; CD106; Vcam1; Vcam-1; Vascular cell adhesion protein 1.		
Amino Acid Sequence	FKIEISPEYK TIAQIGDSMA LTCSTTGCEs PLFSWRTQID SPLNAKVRTEGSKSVLTMEP VSFENEHSYL CTATCGSGKL ERSIHVDIYS FPKDPEIQFS GPLEVGKPVV VKCLAPDIYPVYRLEIDLFK GDQLMNRQEF SSEEMTKSLE TKSLEVTFTP VIEDIGKALV CRAKLHIDQI DSTLKERETVKELQVYISPR NTTISVHPST RLQEGGAVTM TCSSEGLPAP EIFWGRKLDN EVLQLLSGNA TLTIAMRMEDSGVYVCEGV NLIQRDKAEV ELVVQEKPFI VDISPGSQVA AQVGDSVVLV CAAIGCDSPS FSWRTQTDSP LNGVVRNEGA KSTLVLSVGFEDHESYLCA VTCLQRTLEK RTQVEVYSFP EDPVIKMSGP LVHGRPVTVN CTVPNVYVYFD HLEIELLKGETTLMKKYFLE EMGIKSLETK ILETTFIPTI EDTGKSLVCL ARLHSGEMES EPKQRQSVQP LYVNVAPKETTIVVSPSPIL EEGSPVNLTC SSDGIPAPKI LWSRQLNNGE LQPLSENTTL TFMSTKRDDS GIYVCEGINEAGISRKSVEL IIQVSPKDIQ LTVFPSKSVK EGDVVIISCT CGNVPETWII LKKKAKTGDMVLKSDVGSYT IRQAQLQDAG IYECESKTEV GSQLRSLTLD VKGKEHNKKNY FSPELEHHHH HH.		
Formulation	VCAM1 protein solution (0.5mg/ml) containing Phosphate Buffered 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 of leukocyte migration, leukocyte endothelial cell adhesion and signal transduction and

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

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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 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 682 amino acids (25-698 a.a) and having a molecular mass of 75.4kDa (Migrates at 70-100kDa on SDS-PAGE under reducing conditions). VCAM1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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