9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

VCAM1 Human, HEK

Vascular cell adhesion molecule 1 Human Recombinant, HEK
RCP2547

Product Overview

Name	VCAM1 Human, HEK

Description

Vascular cell adhesion molecule 1 Human Recombinant, HEK

Accession (Primary)	P19320

Synonyms

Vascular cell adhesion protein 1, V-CAM 1, INCAM-100, CD106, VCAM1, L1CAM, MGC99561, DKFZp779G2333.

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 may play a role in a number of inflammatory diseases (artherosclerosis and rheumatoid arthritis).

Source

HEK293 cells.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

VCAM1 was lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, 2mM CaCl2, 2mM MgCl2 and 5%Threhalose, pH 7.2.

Stability

Lyophilized VCAM1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VCAM1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 95% as determined by SDS-PAGE.

Amino acid sequence

FKIETTPESRYLAQIGDSVSLTCSTTGCESPFFSWRTQIDSPLNGKVTNEGTTS
TLTMNPVSFGNEHSYLCTATCESRKLEKGIQVEIYSFPKDPEIHLSGPLEAGKP

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ITVKCSVADVYPFDRLEIDLLKGDHLMKSQEFLEDADRKSLETKSLEVTFTPVIE

DIGKVLVCRAKLHIDEMDSVPTVRQAVKELQVYISPKNTVISVNPSTKLQEGGSVT

MTCSSEGLPAPEIFWSKKLDNGNLQHLSGNATLTLIAMRMEDSGIYVCEGVNLIGKNRKEV

ELIVQEKPFTVEISPGPRIAAQIGDSVMLTCSVMGCESPSFSWRTQIDSPLSGKVRSEGTN

STLTLSPVSFENEHSYLCTVTCGHKKLEKGIQVELYSFPRDPEIEMSGGLVNGSSVTVSCKV

PSVYPLDRLEIELLKGETILENIEFLEDTDMKSLENKSLEMTFIPTIEDTGKALVCQAKLHID

DMEFEPKQRQSTQTLYVNVAPRDTTVLVSPSSILEEGSSVNMTCLSQGFPAPKILWSRQLPNGE

LQPLSENATLTLISTKMEDSGVYLCEGINQIRKAQLKDAGVYECESKNKVGSQLRSLTLDVQGRE

NNKDYFSPEVDHHHHHHAGRSRKEVELIIQVTPKDIKLTAFPSESVKEGDTVIISCTCGNVPETW

IILKKKAETGDTVLKSIDGAYTIRKAQLKDAGVYECESKNKVGSQLRSLTLDVQGRENNKDYFSPE VDHHHHHH.

Solubility

It is recommended to reconstitute the lyophilized VCAM1 in 1xPBS to a concentration no less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

VCAM1 Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P19320)