
Product Data Sheet

Product Name: VCAM1 Human, HEK
Cat. No.: GP24984
Batch No.: 1

Product Data

Purity	>98%	Source
Physical Appearance	solid	Shipping Con

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

Amino Acid Sequence FKIEETTPESRYLAQIGDSVSLTCSTTGCEPFFSWRTQIDSPLNGKVTNEGTTSTLTMNPVSFGNEHSYLCTATCESRKLEKGIQVEIYSFPKDPEIHLGSQL

Solubility It is recommended to reconstitute the lyophilized VCAM1 in 1xPBS to a concentration no less than 100 µg/ml, which can then be used for various assays.
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

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 (atherosclerosis and rheumatoid arthritis).

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.

Background

VCAM1 Human Recombinant produced by mammalian expression system in human cells is a single polypeptide chain containing 682 amino acids (25-698). VCAM1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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

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