

Datasheet for ABIN7275819

**VCAM1 Protein (AA 25-697) (His tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	VCAM1
Protein Characteristics:	AA 25-697
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VCAM1 protein is labelled with His tag.

## Product Details

Purpose:	Human VCAM-1/CD106 Protein
Sequence:	Phe25-Pro697
Characteristics:	Recombinant Human VCAM-1/CD106 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe25-Pro697.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	VCAM1
Alternative Name:	VCAM-1 ( <a href="#">VCAM1 Products</a> )

## Target Details

Background:	Tumor necrosis factor alpha (TNFα) is a pro-inflammatory cytokine that triggers the expression of inflammatory molecules, including other cytokines and cell adhesion molecules. TNFα induces the expression of intercellular cell adhesion molecule-1 and vascular cell adhesion molecule-1 (VCAM-1). VCAM-1 was originally identified as a cell adhesion molecule that helps regulate inflammation-associated vascular adhesion and the transendothelial migration of leukocytes, such as macrophages and T cells.
Molecular Weight:	75.2 kDa. Due to glycosylation, the protein migrates to 75-110 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">NP_001069</a>
Pathways:	<a href="#">Carbohydrate Homeostasis</a>

## Application Details

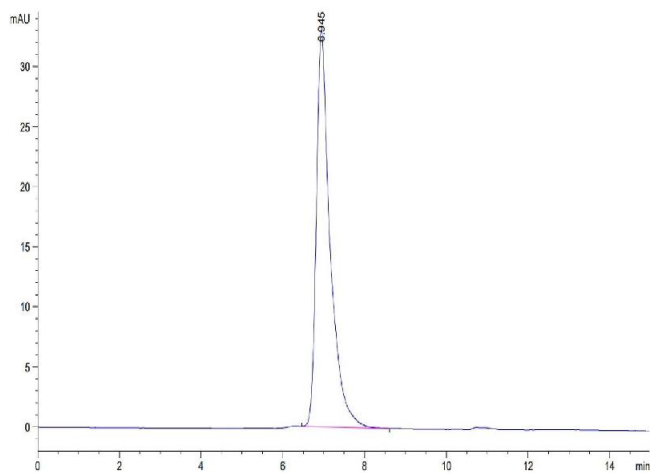
Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Human VCAM-1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

**Image 2.** Human VCAM-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

