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Datasheet for ABIN7504559
VCAM1 Protein (AA 25-698) (His tag)

Overview

Quantity:	100 µg
Target:	VCAM1
Protein Characteristics:	AA 25-698
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VCAM1 protein is labelled with His tag.

Product Details

Purpose:	Mouse VCAM-1/CD106 Protein
Sequence:	Phe25-Glu698
Characteristics:	Recombinant Mouse VCAM-1/CD106 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Phe25-Glu698.
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 (VCAM1 Products)

Target Details

Background:	Tumor necrosis factor alpha (TNF α) is a pro-inflammatory cytokine that triggers the expression of inflammatory molecules, including other cytokines and cell adhesion molecules. TNF α 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:	75.48 kDa. Due to glycosylation, the protein migrates to 80-100 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_035823
Pathways:	Carbohydrate Homeostasis

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 $^{\circ}$ C,-80 $^{\circ}$ C
Storage Comment:	-20 to -80 $^{\circ}$ C for 12 months as supplied from date of receipt.,-80 $^{\circ}$ C for 3-6 months after reconstitution.,2-8 $^{\circ}$ 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