Human VCAM-1/CD106 Protein

Cat. No. VAM-HM206

Description

Source	Recombinant Human VCAM-1/CD106 Protein is expressed from HEK293 with hFc tag at the C-terminus.
	It contains Phe25-Glu698.
Accession	NP_001069
Molecular Weight	The protein has a predicted MW of 100.17 kDa. Due to glycosylation, the protein migrates to 105-125 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

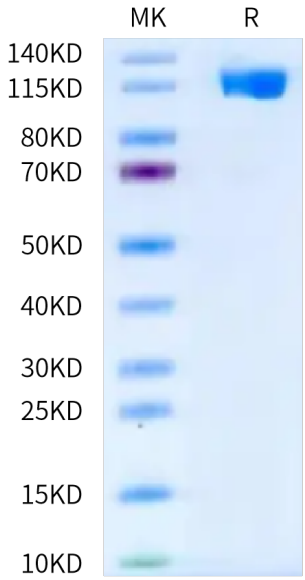
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled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

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.

Assay Data

Bis-Tris PAGE



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