

Synonym

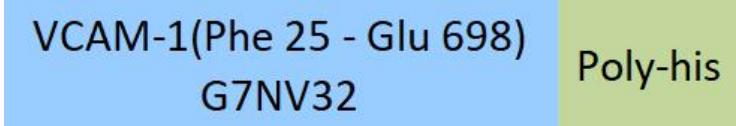
VCAM1,CD106,INCAM-100,V-CAM 1,VCAM-1

Source

Cynomolgus VCAM-1 Protein, His Tag(VC1-C52H3) is expressed from human 293 cells (HEK293). It contains AA Phe 25 - Glu 698 (Accession # [G7NV32](#)).

Predicted N-terminus: Phe 25

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 76.1 kDa. The protein migrates as 85-100 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

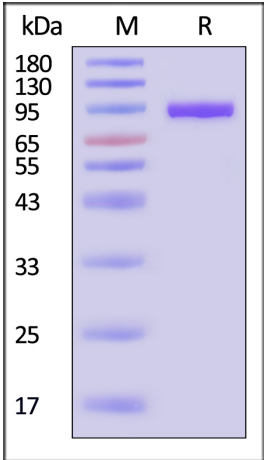
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

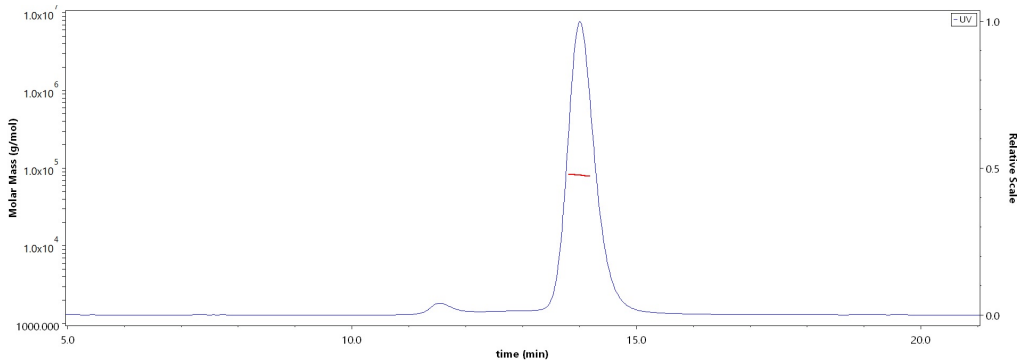
SDS-PAGE



Cynomolgus VCAM-1 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA

SEC-MALS



The purity of Cynomolgus VCAM-1 Protein, His Tag (Cat. No. VC1-C52H3) is more than 90% and the molecular weight of this protein is around 70-105 kDa verified by SEC-MALS.

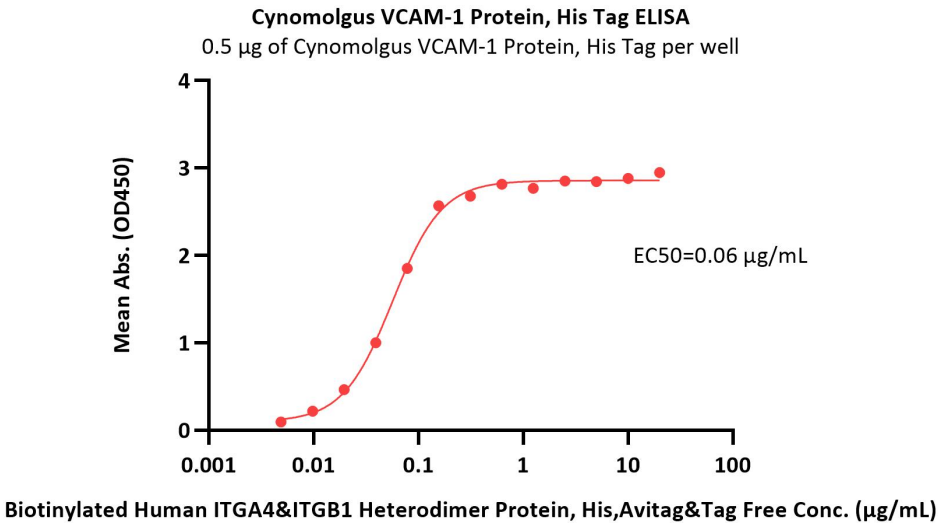
[Report](#)

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Cynomolgus VCAM-1 Protein, His Tag (MALS verified)

Catalog # VC1-C52H3



Immobilized Cynomolgus VCAM-1 Protein, His Tag (Cat. No. VC1-C52H3) at 5 µg/mL (100 µL/well) can bind Biotinylated Human ITGA4&ITGB1 Heterodimer Protein, His,Avitag&Tag Free (Cat. No. IT1-H82W1) with a linear range of 0.005-0.156 µg/mL (QC tested).

Background

Vascular cell adhesion protein 1 (VCAM1) is also known as CD106, INCAM-100 and L1CAM, is a cell surface sialoglycoprotein belonging to the immunoglobulin superfamily. VCAM1 / CD106 contains 7 Ig-like C2-type (immunoglobulin-like) domains. CD106 / VCAM-1 is expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue. L1CAM / VCAM-1 is Important in cell-cell recognition and appears to function in leukocyte-endothelial cell adhesion. CD106 / VCAM1 interacts with the beta-1 integrin VLA4 on leukocytes, and mediates both adhesion and signal transduction. The VCAM1 / VLA4 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation. INCAM-100 / VCAM1 binds to ECMV-D capsid proteins and acts as a receptor for this virus.

