



## Synonym

MAdCAM-1, MAdCAM1, Mucosal vascular addressin cell adhesion molecule 1 transcript variant 1

## Source

Biotinylated Cynomolgus MAdCAM-1 Protein, His,Avitag(MAM-C82E3) is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Lys 291 (Accession # [XP\\_045235080.1](#)).

Predicted N-terminus: Gln 22

## Molecular Characterization

MAdCAM-1(Gln 22 - Lys 291)  
XP\_045235080.1    Poly-his    Avi

This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 32.2 kDa. The protein migrates as 60-70 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Labeling

*Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.*

## Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>90% 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

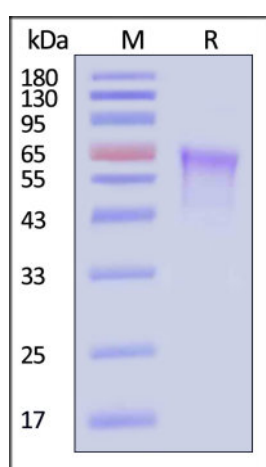
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

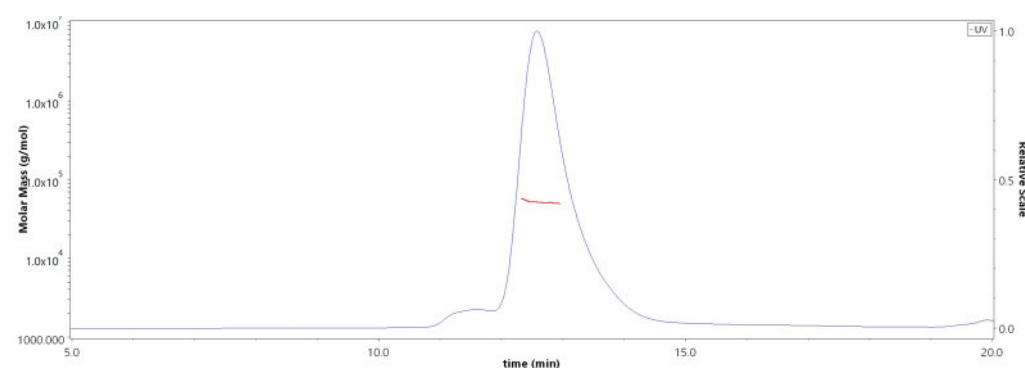
## SDS-PAGE



Biotinylated Cynomolgus MAdCAM-1 Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## Bioactivity-ELISA

## SEC-MALS



The purity of Biotinylated Cynomolgus MAdCAM-1 Protein, His,Avitag (Cat. No. MAM-C82E3) is more than 90% and the molecular weight of this protein is around 45-65 kDa verified by SEC-MALS.

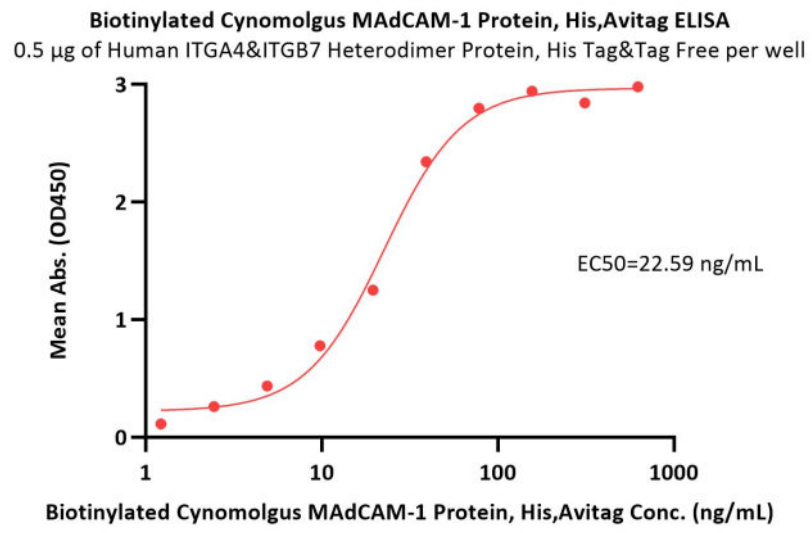
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# Biotinylated Cynomolgus MAdCAM-1 Protein, His,Avitag™ (MALS verified)

Catalog # MAM-C82E3



Immobilized Human ITGA4&ITGB7 Heterodimer Protein, His Tag&Tag Free (Cat. No. IT7-H52W4) at 5 µg/mL (100 µL/well) can bind Biotinylated Cynomolgus MAdCAM-1 Protein, His,Avitag (Cat. No. MAM-C82E3) with a linear range of 1-39 ng/mL (QC tested).

## Clinical and Translational Updates

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