

Biotinylated Human MADCAM1 Protein

Cat. No. MCM-HM401B

Description

Source	Recombinant Biotinylated Human MADCAM1 Protein is expressed from HEK293 with His tag and Avi Tag at the C-Terminus.
	It contains Gln19-Gln317.
Accession	Q13477-1
Molecular Weight	The protein has a predicted MW of 34.31 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

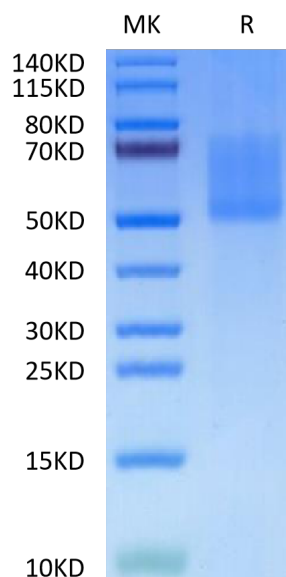
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

Mucosal addressin cell adhesion molecule-1 (MAdCAM-1) is an endothelial cell marker that is recognized by its ligands on lymphocytes: L-selectin and $\alpha 4\beta 7$ integrin. MAdCAM-1 is highly expressed on intestinal endothelium and has, recently, been shown to play an important role in the development of acute GVHD in animal model.

Assay Data

Bis-Tris PAGE



Biotinylated Human MADCAM1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

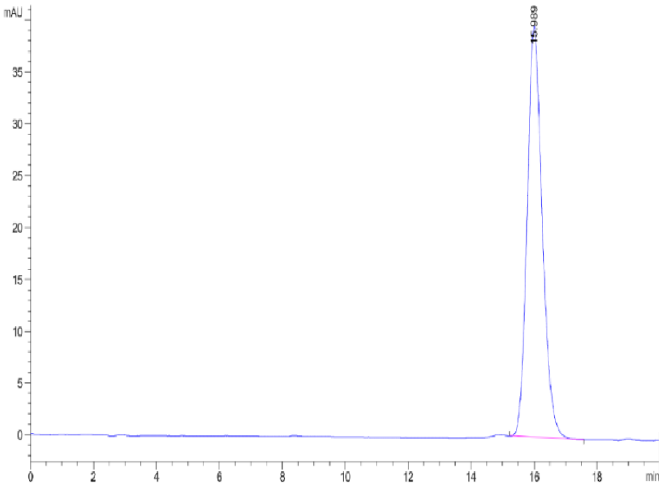
SEC-HPLC

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Assay Data

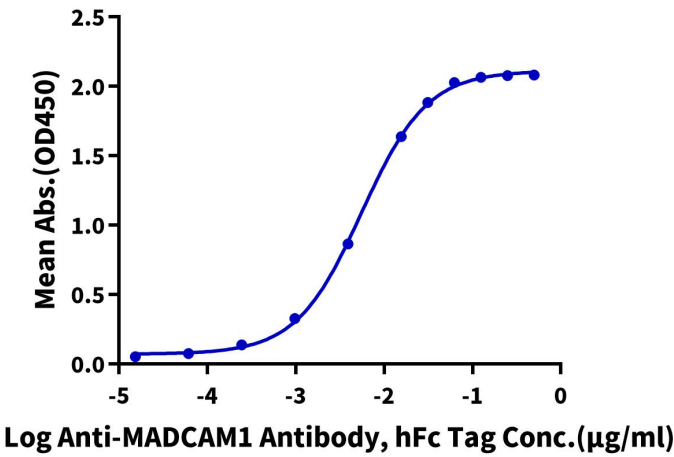


The purity of Biotinylated Human MADCAM1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human MADCAM1, His Tag ELISA

0.05µg Biotinylated Human MADCAM1, His Tag Per Well



Immobilized Biotinylated Human MADCAM1, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-MADCAM1 Antibody, hFc Tag with the EC50 of 5.6ng/ml determined by ELISA (QC Test).