

Cynomolgus MADCAM1 Protein, Ultra Low Endotoxin

Cat. No. MCM-CM101-UL

Description

Source	Recombinant Cynomolgus MADCAM1 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gln22-Gln295.
Accession	XP_045235080.2
Molecular Weight	The protein has a predicted MW of 30.65 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

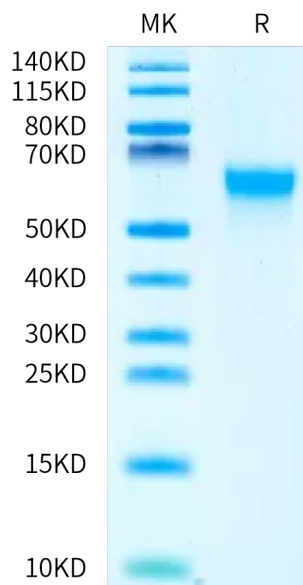
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

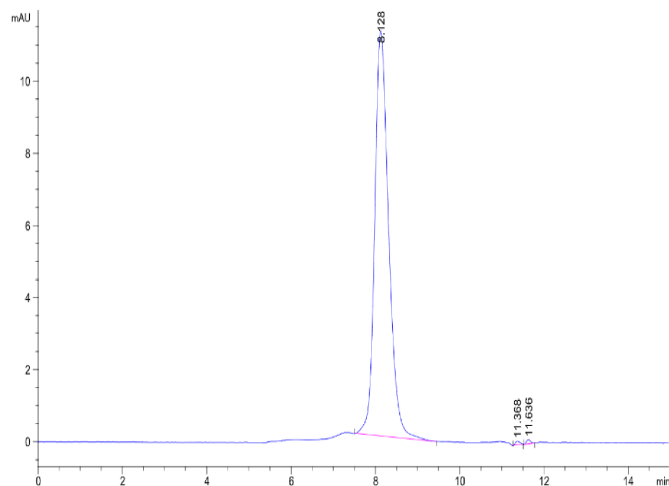
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

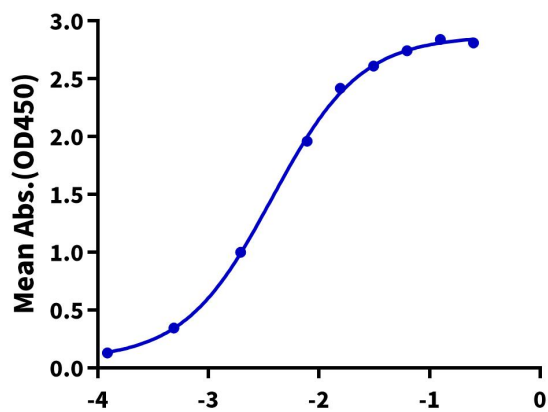


The purity of Cynomolgus MADCAM1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus MADCAM1, His Tag ELISA

0.05µg Cynomolgus MADCAM1, His Tag Per Well



Immobilized Cynomolgus MADCAM1, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-MADCAM1 Antibody, hFc Tag with the EC50 of 3.8ng/ml determined by ELISA.