

Cynomolgus MADCAM1 Protein

Cat. No. MCM-CM101



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 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

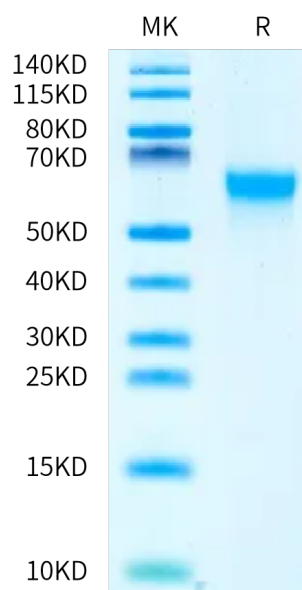
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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) contributes to the recruitment of donor T cells into the mucosal tissues of the recipient after allogeneic hematopoietic stem cell transplantation (aHSCT). The aim of our study was to determine whether selected single nucleotide polymorphisms (SNPs) of the MADCAM1 gene are associated with development of serious complications after aHSCT.

Assay Data

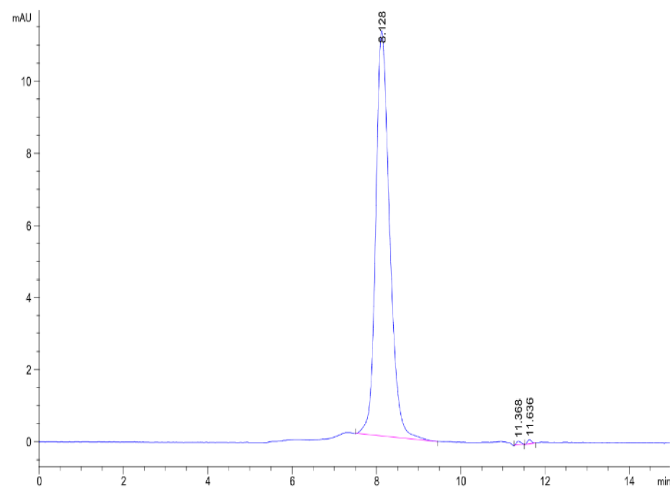
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

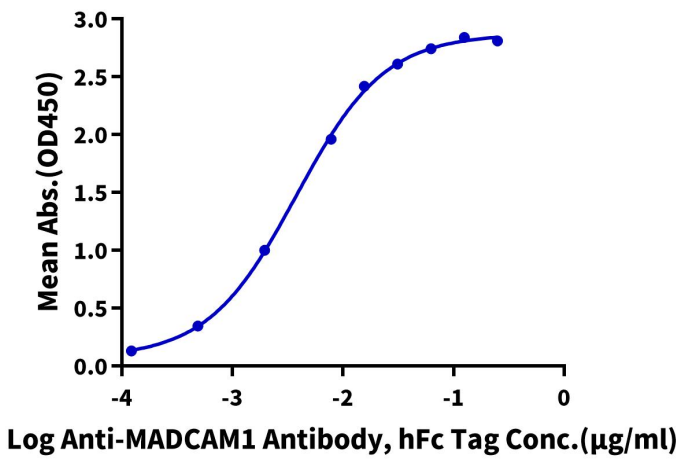


The purity of Cynomolgus MADCAM1 is greater than 95% as determined by SEC-HPLC.

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.