

# Human MADCAM1 Protein

Cat. No. MCM-HM101



## Description

<b>Source</b>	Recombinant Human MADCAM1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln19-Gln317.
<b>Accession</b>	Q13477-1
<b>Molecular Weight</b>	The protein has a predicted MW of 32.5 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

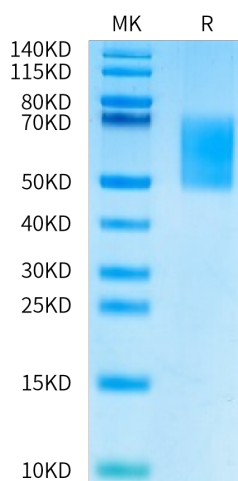
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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.

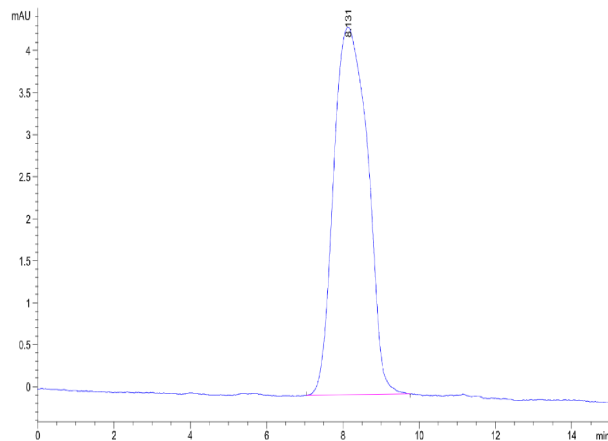
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



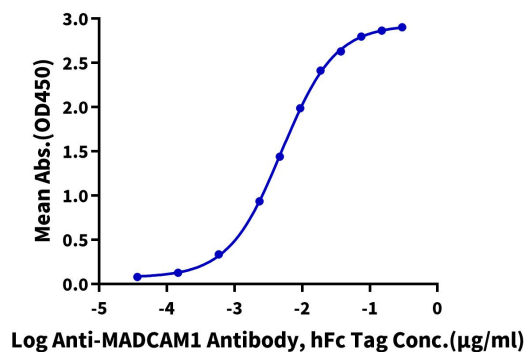
The purity of Human MADCAM1 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Human MADCAM1, His Tag ELISA**

0.05µg Human MADCAM1, His Tag Per Well



Immobilized Human 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 5.0ng/ml determined by ELISA (QC Test).