

# Recombinant Human MADCAM1 Protein

Catalog No.: RP02808 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	8174	Q13477-1

### Tags

C-His

### Synonyms

MAdCAM-1; MADCAM1; MACAM1

## Product Information

Source	Purification
HEK293 cells	> 95% as determined by HPLC

### Endotoxin

<1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact

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## 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.

## Basic Information

### Description

Recombinant Human MADCAM1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln19-Gln317) of human MADCAM1 (Accession #NP\_570116.2) fused with a 6xHis tag at the C-terminus.

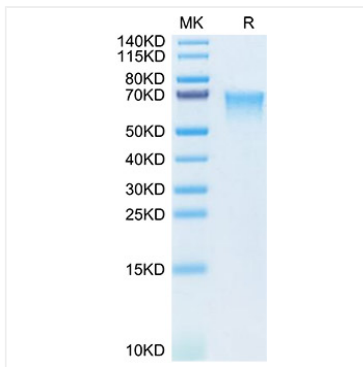
### Bio-Activity

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 EC<sub>50</sub> of 7.7ng/ml determined by ELISA.

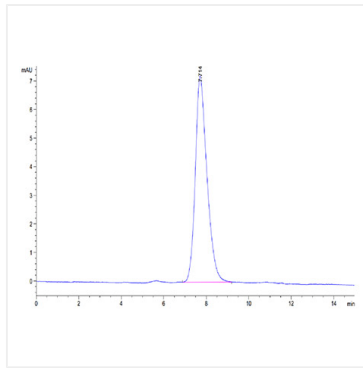
### Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

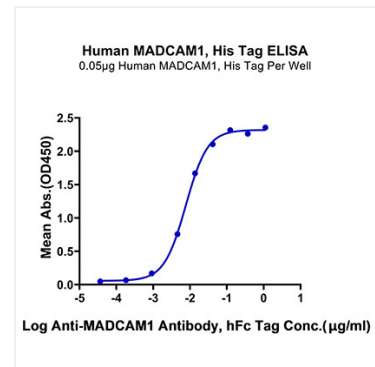
## Validation Data



Recombinant Human MADCAM1 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 60-70 kDa.



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



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 EC<sub>50</sub> of 7.7ng/ml determined by ELISA.