Recombinant Human MADCAM1 Protein

Catalog No.: RP02808

Sequence Information

Species
Human

Gene ID
8174

Swiss Prot
Q13477-1

Tags
C-His

Synonyms
MAdCAM-1; MADCAM1; MACAM1

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.≥ 95 % as determined by HPLC.

Calculated MW
32.5 kDa

Observed MW
60-70 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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.

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 6×His tag at the C-terminus.

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_{50} of 7.7ng/ml determined by ELISA.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

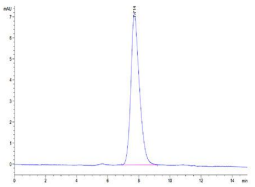
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

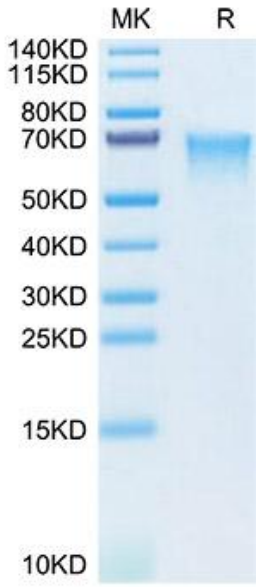
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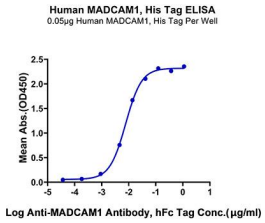
Validation Data



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



Recombinant Human MADCAM1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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_{50} of 7.7ng/ml determined by ELISA.