

Datasheet for ABIN7275237

MADCAM1 Protein (AA 19-317) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MADCAM1
Protein Characteristics:	AA 19-317
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MADCAM1 protein is labelled with His tag.

Product Details

Purpose:	Human MADCAM1 Protein
Sequence:	Gln19-Gln317
Characteristics:	Recombinant Human MADCAM1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln19-Gln317.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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 7.7ng/ml determined by ELISA. See testing image for detail.

Target Details

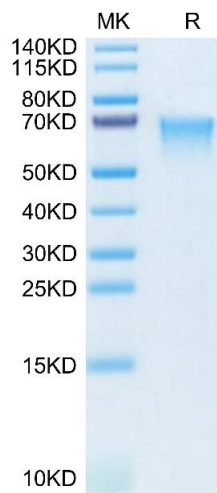
Target:	MADCAM1
Alternative Name:	MADCAM1 (MADCAM1 Products)
Background:	Mucosal addressin cell adhesion molecule-1 (MAdCAM-1) contributes to the recruitment of donor T cells into the mucosal tissues of the recipient after allogeneic hematopoietic stem cell transplantation (aHSCT). The aim of our study was to determine whether selected single nucleotide polymorphisms (SNPs) of the MADCAM1 gene are associated with development of serious complications after aHSCT.
Molecular Weight:	32.5 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.

Application Details

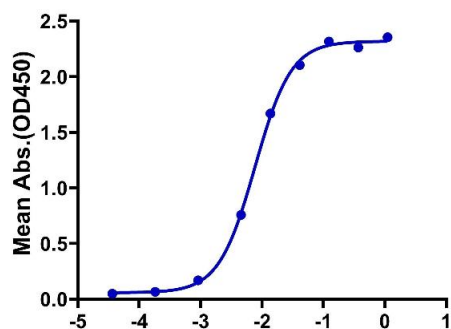
Restrictions:	For Research Use only
---------------	-----------------------

Handling

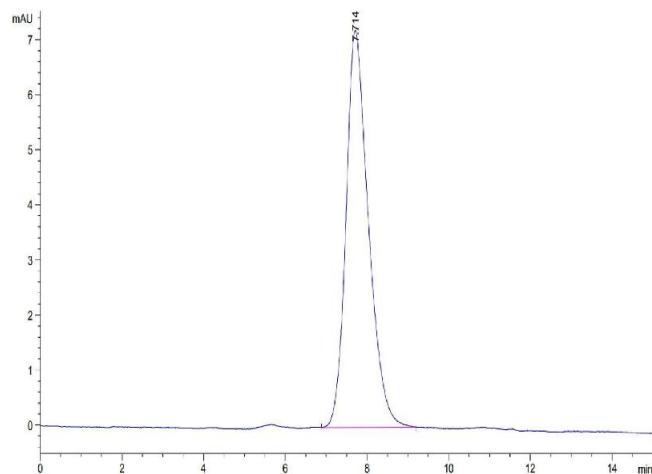
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Human MADCAM1, His Tag ELISA
0.05µg Human MADCAM1, His Tag Per Well



Log Anti-MADCAM1 Antibody, hFc Tag Conc.(µg/ml)



SDS-PAGE

Image 1. Human MADCAM1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

ELISA

Image 2. Immobilized Human MADCAM1, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-MADCAM1 Antibody, hFc Tag with the EC50 of 7.7 ng/mL determined by ELISA.

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human MADCAM1 is greater than 95 % as determined by SEC-HPLC.