

Recombinant Human MADCAM1 protein, His-tagged

Cat. No. MADCAM1-3980H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MADCAM1 is produced by our Mammalian expression system and the target gene encoding Gln19-Gln333 is expressed with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Gln19-Gln333
Description	Mucosal addressin cell adhesion molecule-1 (MAdCAM-1) is an approximately 60 kDa type 1 transmembrane glycoprotein. It is an endothelial cell adhesion molecule that belongs to the immunoglobulin (Ig) superfamily of proteins. The Ig domains of MAdCAM-1 are critical to alpha (4) beta (7) binding, and the mucin domain has activity in L Selectin binding. MAdCAM-1 expression is up-regulated by TNF-alpha and IL 1 beta. Mucosal addressin cell adhesion molecule (MAdCAM-1) plays a pivotal role in T-lymphocyte homing to the gut. MAdCAM 1 expression is also dramatically increased in chronic inflammatory and disease states, including inflammatory bowel disease (Crohn's disease and ulcerative colitis), sclerosing cholangitis, and diabetes, and may play an important role in these conditions.
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Molecular Mass	55-65kDa, reducing conditions.

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Endotoxin	Less than 0.1 ng/g (1 EU/g) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	MADCAM1 mucosal vascular addressin cell adhesion molecule 1 [Homo sapiens]
Official Symbol	MADCAM1
Synonyms	MADCAM1; mucosal vascular addressin cell adhesion molecule 1; MACAM1; MAdCAM-1; hMAdCAM-1;
Gene ID	8174
mRNA Refseq	NM_130760.2
Protein Refseq	NP_570116.2
MIM	102670

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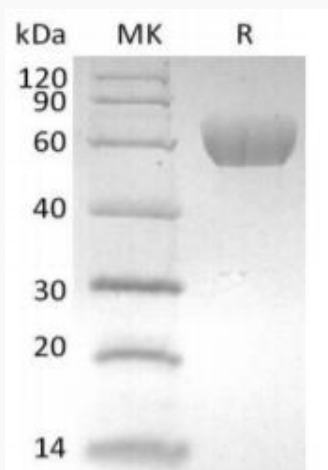
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UniProt ID

Q13477

SDS-PAGE



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