

Product Name: Recombinant Human MAdCAM-1 (C-Fc)
Catalog #: PHH2378

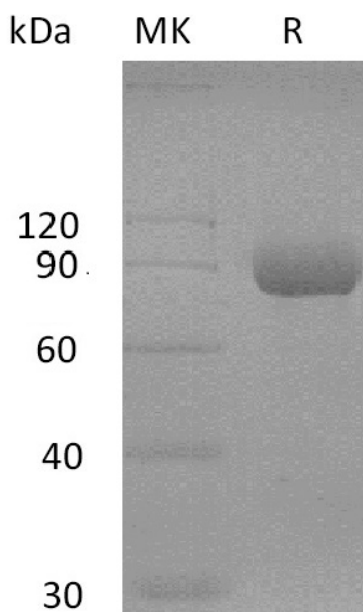


Summary

Name	MAdCAM-1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human MAdCAM1 is produced by our Mammalian expression system and the target gene encoding Gln19/xadGln333 is expressed with a human IgG1 Fc tag at the C-terminus.
Accession #	Q4PKD0
Host	Human Cells
Species	Human
Predicted Molecular Mass	60.1 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
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.

SDS-PAGE image

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Alternative Names

hMAdCAM-1; MACAM1; MAdCAM1; MAdCAM-1; mucosal addressin cell adhesion molecule 1

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.