

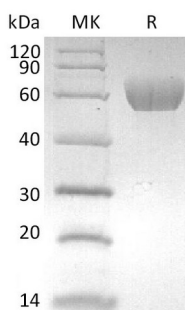
Product Name: Recombinant Human MAdCAM-1 (C-6His)
Catalog #: PHH2341



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-Gln333 is expressed with a 6His tag at the C-terminus.
Accession #	Q4PKD0
Host	Human Cells
Species	Human
Predicted Molecular Mass	34 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



Background

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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.