

MAdCAM-1 Antibody (clone 314G8, Low Endotoxin)
Mouse Monoclonal Antibody
Catalog # ALS12759**Specification**

MAdCAM-1 Antibody (clone 314G8, Low Endotoxin) - Product Information

Application	IHC
Primary Accession	Q13477
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	40kDa KDa

MAdCAM-1 Antibody (clone 314G8, Low Endotoxin) - Additional Information**Gene ID** 8174**Other Names**

Mucosal addressin cell adhesion molecule 1, MAdCAM-1, hMAdCAM-1, MADCAM1

Target/Specificity

Recognizes human mucosal addressin cell adhesion molecule 1 (MAdCAM-1), a 60kD cell surface protein that is involved in lymphocyte trafficking. MAdCAM-1 is expressed on high endothelial venules of Peyer patches and mesenteric lymph nodes. MAdCAM-1 e ...

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles. Store undiluted.

Precautions

MAdCAM-1 Antibody (clone 314G8, Low Endotoxin) is for research use only and not for use in diagnostic or therapeutic procedures.

MAdCAM-1 Antibody (clone 314G8, Low Endotoxin) - Protein Information**Name** MADCAM1**Function**

Cell adhesion leukocyte receptor expressed by mucosal venules, helps to direct lymphocyte traffic into mucosal tissues including the Peyer patches and the intestinal lamina propria. It can bind both integrin alpha-4/beta-7 and L-selectin, regulating both the passage and retention of leukocytes. Isoform 2, lacking the mucin-like domain, may be specialized in supporting integrin alpha-4/beta-7-dependent adhesion strengthening, independent of L-selectin binding.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Highly expressed on high endothelial venules (HEV) and lamina propria venules found in the small

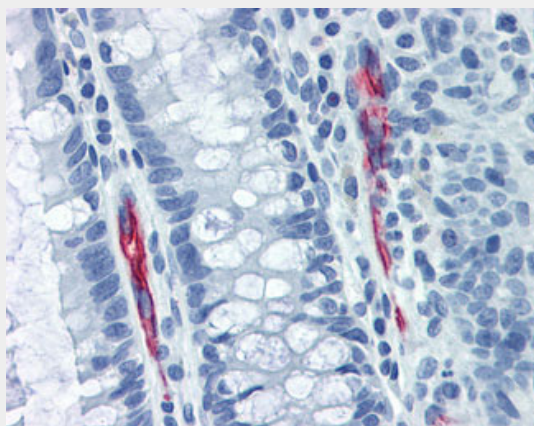
intestine, and to a lesser extent in the colon and spleen. Very low levels of expression found in pancreas and brain. Not expressed in the thymus, prostate, ovaries, testis, heart, placenta, lung, liver, skeletal muscle, kidney or peripheral blood leukocytes.

MAdCAM-1 Antibody (clone 314G8, Low Endotoxin) - Protocols

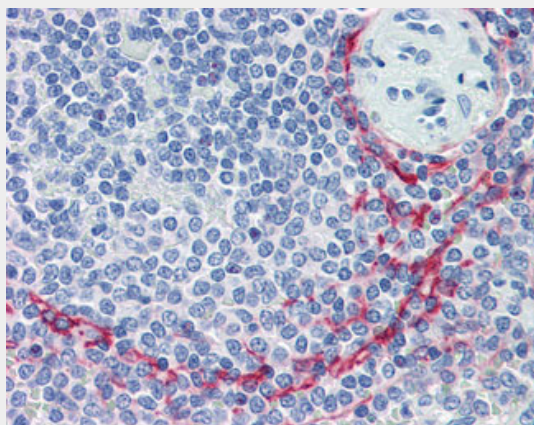
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MAdCAM-1 Antibody (clone 314G8, Low Endotoxin) - Images



Anti-MADCAM1 antibody IHC of human colon.



Anti-MADCAM1 antibody IHC of human spleen.

MAdCAM-1 Antibody (clone 314G8, Low Endotoxin) - Background

Cell adhesion leukocyte receptor expressed by mucosal venules, helps to direct lymphocyte traffic into mucosal tissues including the Peyer patches and the intestinal lamina propria. It can bind both

integrin alpha-4/beta-7 and L-selectin, regulating both the passage and retention of leukocytes. Isoform 2, lacking the mucin-like domain, may be specialized in supporting integrin alpha-4/beta-7-dependent adhesion strengthening, independent of L- selectin binding.

MAdCAM-1 Antibody (clone 314G8, Low Endotoxin) - References

Leung E.,et al.Immunol. Cell Biol. 74:490-496(1996).
Shyjan A.M.,et al.J. Immunol. 156:2851-2857(1996).
Leung E.,et al.Immunogenetics 46:111-119(1997).
Wang P.Z.,et al.Submitted (AUG-2004) to the EMBL/GenBank/DDBJ databases.
Grimwood J.,et al.Nature 428:529-535(2004).