

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

Mouse Monoclonal Antibody

Catalog # ALS12759

Product Information

Application	WB, IHC-P, E, GSA
Primary Accession	Q13477
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	314G8
Calculated MW	40155
Dilution	Flo (1:10-1:100), IHC-P (10 µg/ml),
Concentration (mg/ml)	1 mg/ml

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.

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.
Volume	Array

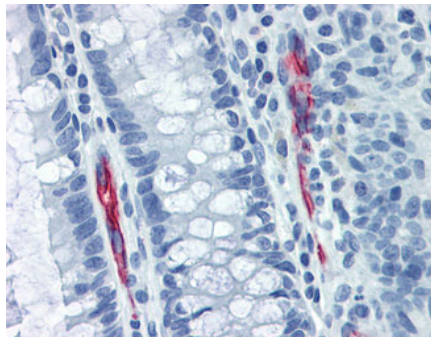
Background

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.

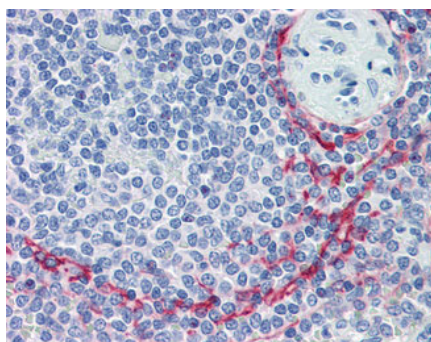
References

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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).

Images



Anti-MADCAM1 antibody IHC of human colon.



Anti-MADCAM1 antibody IHC of human spleen.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.