

For Research Use Only

MAdCAM1 Polyclonal antibody

Catalog Number: 21917-1-AP **3 Publications**



Basic Information

Catalog Number: 21917-1-AP	GenBank Accession Number: BC142629	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 ug/ml by Nanodrop and 420 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8174	Recommended Dilutions: IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q13477	
Isotype: IgG	Full Name: mucosal vascular addressin cell adhesion molecule 1	
Immunogen Catalog Number: AG16184	Calculated MW: 406 aa, 43 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human small intestine tissue,
Cited Applications: WB, IF, IHC	
Species Specificity: human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Lymphocyte recirculation through different organs is thought to be regulated by adhesion molecules ("homing receptors") recognizing tissue-specific vascular addressins on endothelium (PMID: 7511642). The mucosal vascular addressin, MAdCAM1, is an immunoglobulin superfamily adhesion receptor for lymphocytes that is expressed by mucosal venules and helps direct lymphocyte traffic into mucosal tissues including the Peyer patches and the intestinal lamina propria (PMID: 7687523). MAdCAM1 can bind both integrin alpha-4/beta-7 and L-selectin, regulating both the passage and retention of leukocytes.

Notable Publications

Author	Pubmed ID	Journal	Application
Ya-Yuan Fu	31278057	Immunity	IF
Jieyun Zhang	35449126	Cell Death Dis	WB,IHC
Qian Zhang	28061467	Oncotarget	WB

Storage

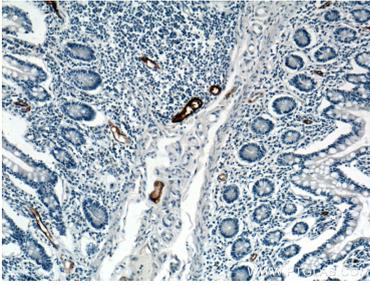
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

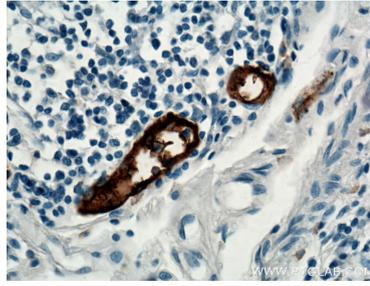
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 21917-1-AP (MAdCAM1 antibody) at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 21917-1-AP (MAdCAM1 antibody) at dilution of 1:400 (under 40x lens).