

For Research Use Only

# MAdCAM1 Polyclonal antibody

Catalog Number: 21917-1-AP

3 Publications



## Basic Information

### Catalog Number:

21917-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 420 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG16184

### GenBank Accession Number:

BC142629

### GeneID (NCBI):

8174

### UNIPROT ID:

Q13477

### Full Name:

mucosal vascular addressin cell adhesion molecule 1

### Calculated MW:

406 aa, 43 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:200-1:800

## Applications

### Tested Applications:

IHC, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human

### Cited Species:

human

### Positive Controls:

IHC : human small intestine tissue,

**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

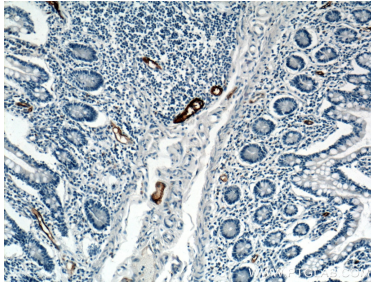
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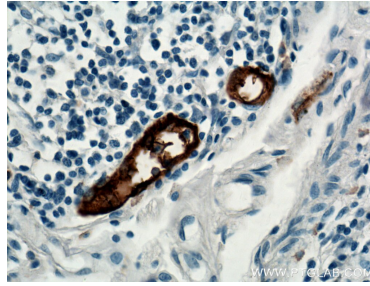
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## Selected Validation Data



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).