

For Research Use Only

MAdCAM1 Polyclonal ANTIBODY

Catalog Number: 21917-1-AP



Basic Information

Catalog Number:
21917-1-AP

Size:
63 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG16184

GenBank Accession Number:
BC142629

GeneID (NCBI):
8174

Full Name:
mucosal vascular addressin cell adhesion
molecule 1

Calculated MW:
406aa, 43 kDa

Observed MW:

Recommended Dilutions:
IHC 1:200-1:800

Applications

Tested Applications:
IHC, ELISA

Species Specificity:
human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human small intestine tissue;

Background Information

Lymphocyte recirculation through different organs is thought to be regulated by adhesion molecules ("homing receptors") recognizing tissue-specific vascular addressins on endothelium (PMD: 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 (PMD: 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
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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

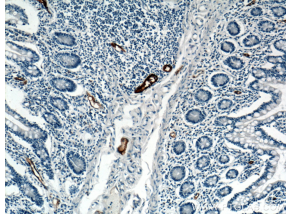
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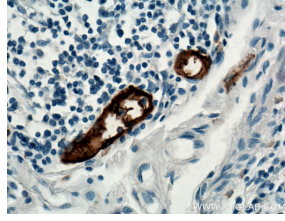
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Selected Validation Data



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



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