

For Research Use Only

MAdCAM1 Polyclonal antibody

Catalog Number: 32526-1-AP



Basic Information

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|--|---|---|
| Catalog Number: 32526-1-AP | GenBank Accession Number: NP_038619 | Purification Method: Antigen affinity Purification |
| Source: Rabbit | GeneID (NCBI): 17123 | Recommended Dilutions: IHC: 1:2000-1:8000 IF-P: 1:50-1:500 |
| Isotype: IgG | Full Name: mucosal vascular addressin cell adhesion molecule 1 | |
| Immunogen Catalog Number: EG2010 | Calculated MW: 44kDa | |

Applications

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| Tested Applications: IHC, IF-P, ELISA | Positive Controls: IHC : mouse small intestine tissue, IF-P : mouse small intestine tissue, |
| Species Specificity: mouse | |

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.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

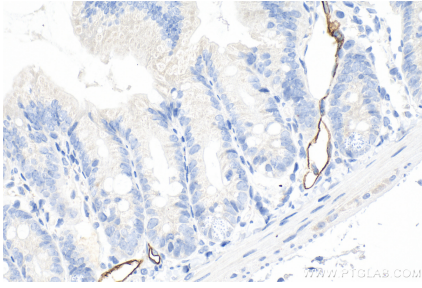
T: 4006900926

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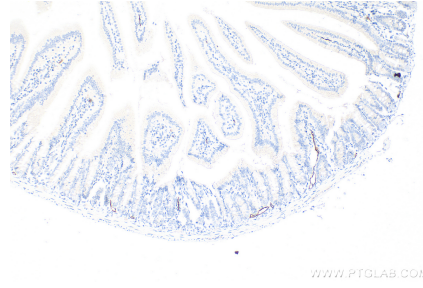
W: ptgcn.com

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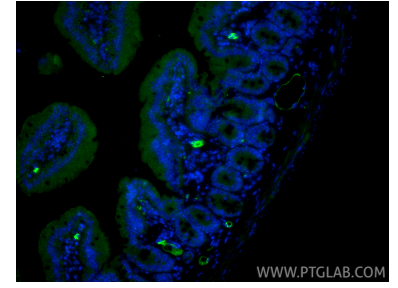
Selected Validation Data



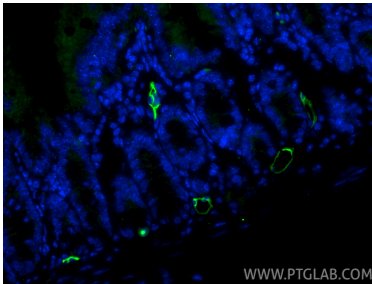
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 32526-1-AP (MAdCAM1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 32526-1-AP (MAdCAM1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse small intestine tissue using MAdCAM1 antibody (32526-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse small intestine tissue using MAdCAM1 antibody (32526-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).