

For Research Use Only

# Biotin-conjugated MAdCAM1 Monoclonal antibody

Catalog Number: Biotin-66594



## Basic Information

<b>Catalog Number:</b> Biotin-66594	<b>GenBank Accession Number:</b> BC142629	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8174	<b>CloneNo.:</b> 2A12E8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13477	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Full Name:</b> mucosal vascular addressin cell adhesion molecule 1	
<b>Immunogen Catalog Number:</b> AG16184	<b>Calculated MW:</b> 406 aa, 43 kDa	

## Applications

<b>Tested Applications:</b> IHC	<b>Positive Controls:</b> IHC : human small intestine tissue, human tonsillitis tissue
<b>Species Specificity:</b> 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.

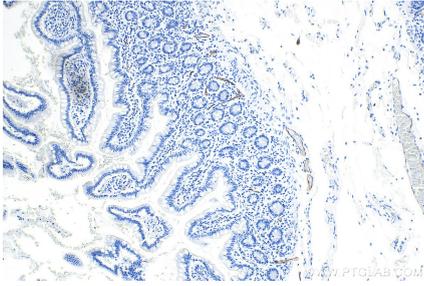
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

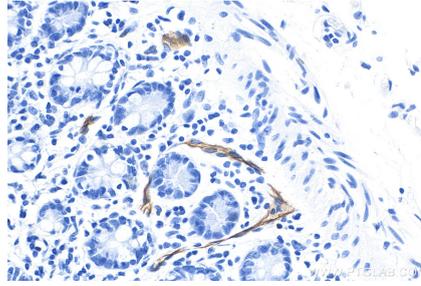
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using Biotin-66594 (MAcCAM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using Biotin-66594 (MAcCAM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).