

For Research Use Only

# MAdCAM1 Monoclonal antibody, PBS Only



Catalog Number: 66594-1-PBS

## Basic Information

Catalog Number:

66594-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

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:

Protein A purification

CloneNo.:

2A12E8

## Applications

Tested Applications:

Indirect ELISA, IHC, IF

Species Specificity:

Human

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

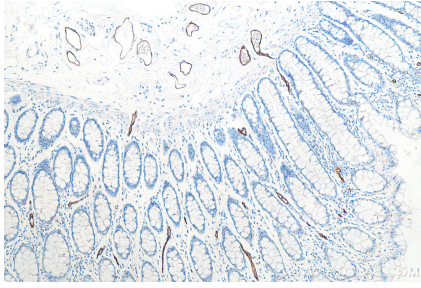
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

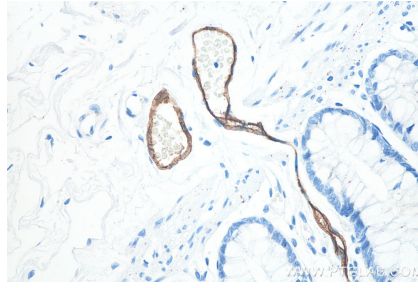
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

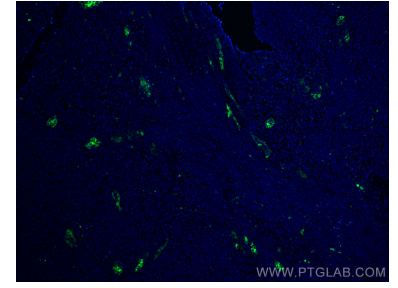
## Selected Validation Data



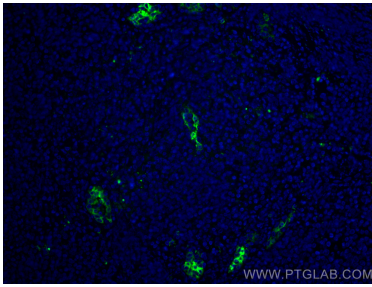
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66594-1-Ig (MAcCAM1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66594-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66594-1-Ig (MAcCAM1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66594-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using MAcCAM1 antibody (66594-1-Ig, Clone: 2A12E8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66594-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using MAcCAM1 antibody (66594-1-Ig, Clone: 2A12E8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66594-1-PBS in a different storage buffer formulation.