

For Research Use Only

MAdCAM1 Monoclonal antibody

Catalog Number: 66594-1-Ig **2 Publications**



Basic Information

Catalog Number:

66594-1-Ig

Size:

1100 µg/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

Recommended Dilutions:

IHC 1:1000-1:4000

IF-P 1:200-1:800

Applications

Tested Applications:

IF-P, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

Human

Cited Species:

human

Positive Controls:

IHC: human colon tissue, human tonsillitis tissue,
human appendicitis tissue, human small intestine
tissue

IF-P: human tonsillitis 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
Kazuhiko Uchiyama	36511086	J Crohns Colitis	IHC
Naoya Ozawa	37676657	Int J Cancer	IHC

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

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

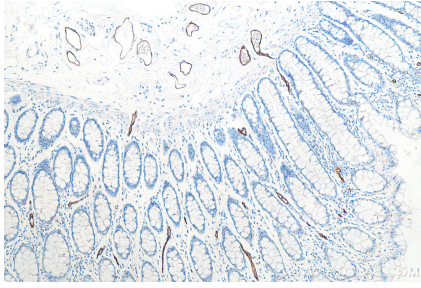
T: 4006900926

E: Proteintech-CN@ptglab.com

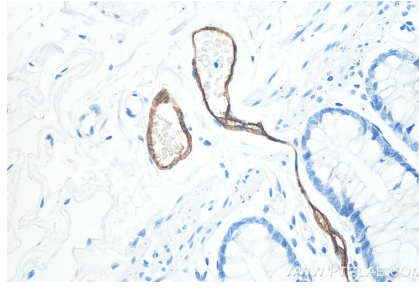
W: ptgcn.com

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

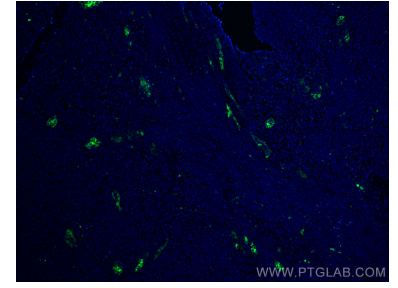
Selected Validation Data



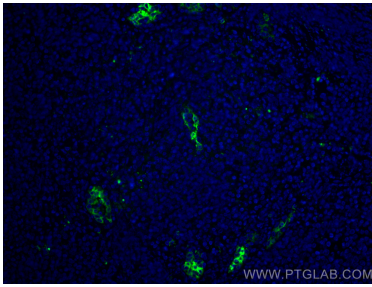
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66594-1-Ig (MAcCAM1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



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).