

For Research Use Only

MAdCAM1 Monoclonal antibody

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



Basic Information

Catalog Number: 66594-1-Ig	GenBank Accession Number: BC142629	Purification Method: Protein A purification
Size: 150ul, Concentration: 1300 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8174	CloneNo.: 2A12E8
Source: Mouse	UNIPROT ID: Q13477	Recommended Dilutions: IHC 1:1000-1:4000 IF-P 1:200-1:800
Isotype: IgG2a	Full Name: mucosal vascular addressin cell adhesion molecule 1	
Immunogen Catalog Number: AG16184	Calculated MW: 406 aa, 43 kDa	

Applications

Tested Applications: IHC, IF-P, ELISA	Positive Controls:
Cited Applications: IHC	IHC : human colon tissue, human tonsillitis tissue, human appendicitis tissue, human small intestine tissue
Species Specificity: Human	IF-P : human tonsillitis tissue,
Cited Species: 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Kazuhiko Uchiyama	36511086	J Crohns Colitis	IHC
Naoya Ozawa	37676657	Int J Cancer	IHC

Storage

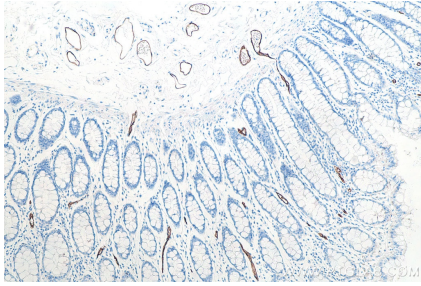
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

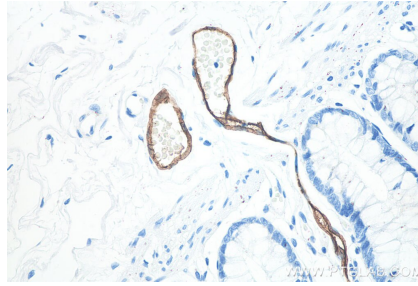
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

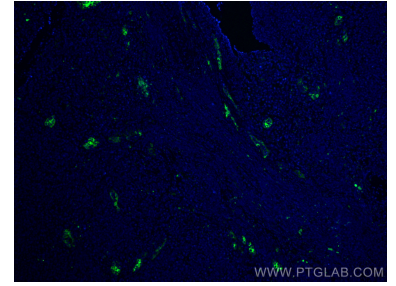
Selected Validation Data



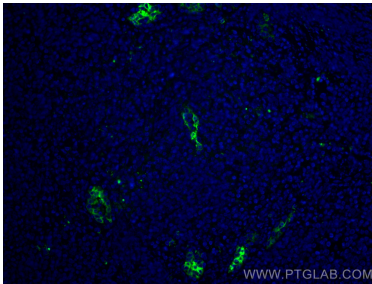
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66594-1-Ig (MAdCAM1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66594-1-Ig (MAdCAM1 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 MAdCAM1 antibody (66594-1-Ig, Clone: 2A12E8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using MAdCAM1 antibody (66594-1-Ig, Clone: 2A12E8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).