

For Research Use Only

CoraLite®594-conjugated MAdCAM1 Monoclonal antibody



Catalog Number:CL594-66594

Basic Information

Catalog Number:

CL594-66594

Size:

1000 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:

IF-P 1:50-1:500

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Species Specificity:

Human

Positive Controls:

IF-P : human tonsillitis tissue,

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.

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:

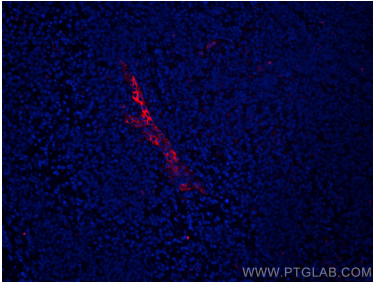
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594 MAdCAM1 antibody (CL594-66594, Clone: 2A12E8) at dilution of 1:200.