

For Research Use Only

# CoraLite®594-conjugated MAdCAM1 Monoclonal antibody

Catalog Number:CL594-66594



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>CL594-66594                          | <b>GenBank Accession Number:</b><br>BC142629                             | <b>Purification Method:</b><br>Protein A purification             |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>8174  | <b>CloneNo.:</b><br>2A12E8  |
| <b>Source:</b><br>Mouse  | <b>UNIPROT ID:</b><br>Q13477   | <b>Recommended Dilutions:</b><br>IF-P 1:50-1:500                  |
| <b>Isotype:</b><br>IgG2a                                       | <b>Full Name:</b><br>mucosal vascular addressin cell adhesion molecule 1 | <b>Excitation/Emission maxima wavelengths:</b><br>588 nm / 604 nm |
| <b>Immunogen Catalog Number:</b><br>AG16184                    | <b>Calculated MW:</b><br>406 aa, 43 kDa                                  |   |

## Applications

|                                      |   |
|--------------------------------------|---|
| <b>Tested Applications:</b><br>IF-P  | <b>Positive Controls:</b><br>IF-P : human tonsillitis tissue, |
| <b>Species Specificity:</b><br>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.

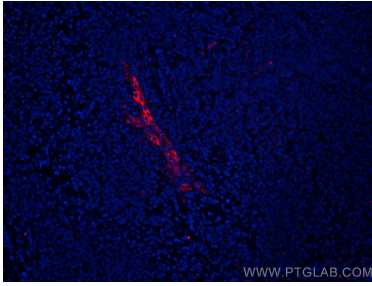
## Storage

**Storage:**  
Store at -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:  
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## 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.