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Anti-MAdCAM-1-Biotin-labled

Catalog # AP100841

Product Information

Application	FC, IF/IC
Primary Accession	Q61826
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	43652

Additional Information

Other Names	Mucosal addressin cell adhesion molecule 1; MAdCAM-1; hMAdCAM-1
Target/Specificity	Recognizes mouse MAdCAM-1
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Rat IgG2a kappa . Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Madcam1
Function	Cell adhesion leukocyte receptor expressed by mucosal venules, helps to direct lymphocyte traffic into mucosal tissues including the Peyer patches and the intestinal lamina propria. It can bind both the integrin alpha-4/beta-7 and L-selectin, regulating both the passage and retention of leukocytes. Both isoform 1 and isoform 2 can adhere to integrin alpha-4/beta-7. Isoform 2, lacking the mucin- like domain, may be specialized in supporting integrin alpha-4/beta-7- dependent adhesion strengthening, independent of L-selectin binding.
Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Highly expressed on high endothelial venules (HEV) of organized intestinal lymphoid tissues like the Peyer patches and mesenteric lymph nodes, and in the lamina propria of the intestine Some expression found in the spleen, and low levels of expression in the peripheral lymph nodes and the lactating mammary gland. No expression was detected in the liver, kidneys, lungs or in normal brain. Expressed as well in brain endothelioma cells, and mucosal tissues which are in a chronic state of inflammation, such as inflamed pancreas.

Background

Biotin-labled rat monoclonal antibody to MAdCAM-1

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.