



# Rat Anti-Mouse MAdCAM-1 Monoclonal antibody, clone MECA-367 (CABT-L4373)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	The MECA-367 monoclonal antibody reacts with mouse MAdCAM-1 (mucosal addressin cell adhesion molecule-1) a 50-60 kDa member of the Ig superfamily.
<b>Target</b>	Mouse MAdCAM-1
<b>Immunogen</b>	Endothelial cells isolated from BALB/c mouse
<b>Isotype</b>	IgG2a, κ
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	MECA-367
<b>Purification</b>	Protein G purified. Purity>95%. Determined by SDS-PAGE
<b>Conjugate</b>	Functional Grade
<b>Applications</b>	in vivo MAdCAM-1 neutralization, IF
<b>Molecular Weight</b>	150 kDa
<b>Format</b>	0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility
<b>Concentration</b>	Lot specific
<b>Size</b>	1mg, 5 mg
<b>Buffer</b>	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free]

Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay  
Related dilution buffer: CABT-LB04

<b>Preservative</b>	None
<b>Storage</b>	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	The MECA-367 monoclonal antibody reacts with mouse MAdCAM-1 (mucosal addressin cell adhesion molecule-1) a 50-60 kDa member of the Ig superfamily. MAdCAM-1 is primarily expressed on high endothelial venules in Peyer's patches, mesenteric lymph nodes and gut lamina propria. MAdCAM-1 interacts with LPAM-1 and CD62L to facilitate lymphocyte tethering, rolling, and homing. The MECA-367 antibody has been shown to block the interaction of MAdCAM-1 with its receptor in vivo and in vitro.
<b>Keywords</b>	MADCAM1;mucosal vascular addressin cell adhesion molecule 1;MACAM1;mucosal addressin cell adhesion molecule 1;MAdCAM-1;hMAdCAM-1;mucosal addressin cell adhesion molecule-1;

## GENE INFORMATION

<b>Official Symbol</b>	mucosal vascular addressin cell adhesion molecule 1
<b>Synonyms</b>	MADCAM1; mucosal vascular addressin cell adhesion molecule 1; MACAM1; mucosal addressin cell adhesion molecule 1; MAdCAM-1; hMAdCAM-1; mucosal addressin cell adhesion molecule-1;
<b>References</b>	Peske, J. D., et al. (2015). "Effector lymphocyte-induced lymph node-like vasculature enables naive T-cell entry into tumours and enhanced anti-tumour immunity." Nat Commun 6: 7114. PubMed;