



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

Product Overview	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.
Target	Mouse MAdCAM-1
Immunogen	Endothelial cells isolated from BALB/c mouse
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	MECA-367
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo MAdCAM-1 neutralization, IF
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	1mg, 5 mg
Buffer	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

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

BACKGROUND

Introduction	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.
Keywords	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

Official Symbol	mucosal vascular addressin cell adhesion molecule 1
Synonyms	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;
References	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;