

Rat monoclonal anti mouse MAdCAM-1

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0035
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse Endothelial cells
Ig Type:	Rat IgG2
Clone	AP-MAB0842
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IP, IHC (Frozen) & Blocking

Description: MAdCAM-1 is a 58-66kD type I glycoprotein, also known as Mucosal addressin cell adhesion molecule-1. This mucosal vascular addressin is a member of the Ig superfamily found on fetus and neonatal endothelial cells. In adults, MAdCAM-1 is predominately expressed on high endothelial venule (HEV) of Peyer's patches, mesenteric lymph nodes and gut lamina propria. It is also expressed on vascular endothelium in mammary glands and pancreas. MAdCAM-1, through its interaction with integrin $\alpha 4\beta 7$ or CD62L, is involved in lymphocyte tethering, rolling, and homing. It has been reported that immobilized MAdCAM-1 is able to co-stimulate T cell proliferation.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with **Mouse Endothelial cells**).

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

***Endotoxin Level:** Extremely low level of LPS (< 0.002EU/μg IgG)

Application(s):

- 1. FC and IP**
- 2. IHC (Frozen)**
- 3. Blocking the interaction of MAdCAM-1 with its counter-receptor**
- 4. Reducing T-cell mediated inflammation in gastrointestinal diseases**

*** The antibody is produced by in vitro culture and for Research Use Only**