

## Product datasheet

# Anti-MAdCAM1 antibody [AP-MAB0842] ab80680

★★★★★ 1 Abreviews [画像数 1](#)

### 製品の概要

<b>製品名</b>	Anti-MAdCAM1 antibody [AP-MAB0842]
<b>製品の詳細</b>	Rat monoclonal [AP-MAB0842] to MAdCAM1
<b>由来種</b>	Rat
<b>アプリケーション</b>	<b>適用あり:</b> IHC-P, Inhibition Assay, IP, IHC-Fr, Flow Cyt
<b>種交差性</b>	<b>交差種:</b> Mouse
<b>免疫原</b>	Mouse Endothelial cells
<b>特記事項</b>	<p>Endotoxin Level: Extremely low level of LPS (&lt; 0.002EU/μg IgG).</p> <p>ab80680 was produced by <i>in vitro</i> culture, from a hybridoma (mouse myeloma fused with spleen cells from an immunized rat).</p> <p>ab80680 is useful for reducing T cell mediated inflammation in gastrointestinal diseases.</p>

### 製品の特性

<b>製品の状態</b>	Liquid
<b>保存方法</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>バッファー</b>	Preservative: None Constituents: PBS
<b>精製度</b>	Protein A purified
<b>特記事項 (精製)</b>	The IgG fraction of culture supernatant was purified by Protein A affinity chromatography.
<b>一次抗体 備考</b>	<p>ab80680 was produced by <i>in vitro</i> culture, from a hybridoma (mouse myeloma fused with spleen cells from an immunized rat).</p> <p>ab80680 is useful for reducing T cell mediated inflammation in gastrointestinal diseases.</p>
<b>ポリクローナル</b>	モノクローナル
<b>クローン名</b>	AP-MAB0842
<b>アイソタイプ</b>	IgG2

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab80680** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★	Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Inhibition Assay		Use at an assay dependent concentration. ab80680 is useful for blocking the interaction of MAdCAM1 with its counter receptor.
IP		1/50 - 1/200.
IHC-Fr		1/50 - 1/200.
Flow Cyt		1/200 - 1/400.

## ターゲット情報

機能	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 integrin alpha-4/beta-7 and L-selectin, regulating both the passage and retention of leukocytes. 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.
組織特異性	Highly expressed on high endothelial venules (HEV) and lamina propria venules found in the small intestine, and to a lesser extent in the colon and spleen. Very low levels of expression found in pancreas and brain. Not expressed in the thymus, prostate, ovaries, testis, heart, placenta, lung, liver, skeletal muscle, kidney or peripheral blood leukocytes.
配列類似性	Contains 2 Ig-like (immunoglobulin-like) domains.
翻訳後修飾	The Ser/Thr-rich mucin-like domain may provide possible sites for O-glycosylation.
細胞内局在	Membrane.

## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAdCAM1 antibody [AP-MAB0842] (ab80680)

This image is courtesy of an Abreview submitted by Alex Van Engelenburg

ab80680 staining MAdCAM1 in mouse colon tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked for 15 minutes at room temperature; antigen retrieval was by heat mediation in citrate, pH 6.0. Samples were incubated with primary antibody (1/100 in TBS + 1% BSA) for 30 minutes. An undiluted HRP-conjugated goat anti-rat IgG polyclonal was used as the secondary antibody.

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