

Product datasheet

Anti-MAdCAM1 antibody [AP-MAB0842] ab80680

★★★★★ [1 Abreviews](#) [1 References](#)

Overview

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|----------------------------|--|
| Product name | Anti-MAdCAM1 antibody [AP-MAB0842] |
| Description | Rat monoclonal [AP-MAB0842] to MAdCAM1 |
| Host species | Rat |
| Tested applications | Suitable for: IHC-Fr, IP, IHC-P, Flow Cyt, Inhibition Assay |
| Species reactivity | Reacts with: Mouse |
| Immunogen | Mouse Endothelial cells |
| General notes | <p>Endotoxin Level: Extremely low level of LPS (< 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> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

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| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | Constituent: PBS |
| Purity | Protein A purified |
| Purification notes | The IgG fraction of culture supernatant was purified by Protein A affinity chromatography. |
| Primary antibody notes | <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> |

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|---------------------|------------|
| Clonality | Monoclonal |
| Clone number | AP-MAB0842 |
| Isotype | IgG2 |

Applications

The Abpromise guarantee 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.

| Application | Abreviews | Notes |
|------------------|-----------|--|
| IHC-Fr | | Use at an assay dependent concentration. |
| IP | | Use at an assay dependent concentration. |
| IHC-P | ★★★★★ (1) | Use at an assay dependent concentration. |
| Flow Cyt | | Use at an assay dependent concentration. |
| Inhibition Assay | | Use at an assay dependent concentration. ab80680 is useful for blocking the interaction of MAdCAM1 with its counter receptor. |

Target

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|---|---|
| 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 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. |
| Tissue specificity | 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. |
| Sequence similarities | Contains 2 Ig-like (immunoglobulin-like) domains. |
| Post-translational modifications | The Ser/Thr-rich mucin-like domain may provide possible sites for O-glycosylation. |
| Cellular localization | Membrane. |

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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