Product Details

**Applications**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<td></td>
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<td>1/10 - 1/100</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td></td>
<td>1/25 - 1/200</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using the appropriate negative/positive controls.

**Target Species**

Human

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide
Carrier Free: Yes

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Immunogen: Recombinant soluble MAdCAM-1-fc fusion protein.

External Database Links:
- UniProt: Q13477  [Related reagents]
- Entrez Gene: 8174 MADCAM1  [Related reagents]

RRID: AB_2281548

Fusion Partners: Spleen cells from immunised Balb/c mice were fused with cells of the mouse P3X63Ag8.653 myeloma cell line.

Specificity: Mouse anti Human MAdCAM-1 antibody, clone 314G8 recognizes human mucosal addressin cell adhesion molecule 1 (MAdCAM-1) a 60kD cell surface protein that is involved in lymphocyte trafficking. MAdCAM-1 is expressed on high endothelial venules of Peyer's patches and mesenteric lymph nodes. MAdCAM-1 expression has also been reported in the gut lamina propria but clone 314G8 does not recognize MAdCAM-1 in these tissues. Clone 314G8 reacts with the ligand-binding first Ig domain and reports suggest that a splice variant exists in the gut which is not recognized by clone 314G8. Clone 314G8 is reported to block the interaction of MAdCAM-1 with alpha 4 beta 7 (Leung et al. 2004).

Flow Cytometry: Use 10ul of the suggested working dilution to label $10^6$ cells in 100ul.

References:

Storage: Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this...
product contain a precipitate we recommend microcentrifugation before use.

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<tr>
<th>Guarantee</th>
<th>12 months from date of despatch</th>
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<tr>
<td>Health And Safety Information</td>
<td>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2320T">https://www.bio-rad-antibodies.com/SDS/MCA2320T</a> 10040</td>
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**Related Products**

**Recommended Secondary Antibodies**

- Rabbit Anti Mouse IgG (STAR12...) *RPE*
- Goat Anti Mouse IgG IgA IgM (STAR87...) *Alk. Phos., HRP*
- Goat Anti Mouse IgG (STAR76...) *RPE*
- Rabbit Anti Mouse IgG (STAR13...) *HRP*
- Goat Anti Mouse IgG (STAR70...) *FITC*
- Goat Anti Mouse IgG (H/L) (STAR117...) *Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP*
- Goat Anti Mouse IgG (Fc) (STAR120...) *FITC, HRP*
- Goat Anti Mouse IgG (STAR77...) *HRP*
- Rabbit Anti Mouse IgG (STAR9...) *FITC*

**Recommended Negative Controls**

**MOUSE IgG1 NEGATIVE CONTROL (MCA928)**

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