# Product Details

**Description:** MOUSE ANTI HUMAN CD106

**Specificity:** CD106

**Other names:** VCAM-1

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** 1.G11B1

**Isotype:** IgG1

**Quantity:** 0.2 mg

## 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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>1/10 - 1/50</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<tr>
<td>ELISA</td>
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<tr>
<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting (1)</td>
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<tr>
<td>Immunofluorescence</td>
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<tr>
<td>Functional Assays (2)</td>
<td></td>
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</table>

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 appropriate negative/positive controls.

1. **This product has been reported to work in non-reducing conditions**
2. **This product contains sodium azide, removal by dialysis is recommended prior to use in functional assays.**

## Target Species

**Human**

## Species Cross Reactivity

Reacts with: Pig, Rhesus Monkey

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for
further information.

<table>
<thead>
<tr>
<th><strong>Product Form</strong></th>
<th>Purified IgG - liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Preparation</strong></td>
<td>Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant</td>
</tr>
<tr>
<td><strong>Buffer Solution</strong></td>
<td>Phosphate buffered saline</td>
</tr>
<tr>
<td><strong>Preservative Stabilisers</strong></td>
<td>0.09% Sodium Azide</td>
</tr>
<tr>
<td><strong>Carrier Free</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Approx. Protein Concentrations</strong></td>
<td>IgG concentration 1 mg/ml</td>
</tr>
</tbody>
</table>

**External Database Links**

- **UniProt:**
  - P19320
- **Entrez Gene:**
  - 7412 VCAM1

**Synonyms**

- L1CAM

**RRID**

- AB_321992

**Specificity**

**Mouse anti Human CD106 antibody, clone 1.G11B1** recognizes human VCAM-1, a ~110 kDa molecule whose ligand is VLA4. The antigen is expressed on activated endothelial cells and on some tissue macrophages, bone marrow fibroblasts and myoblasts.


**References**

5. Faure, J.P. *et al.* (2002) Polyethylene glycol reduces early and long-term cold ischemia-
24. Schmidt, M. et al. (2016) Methods to Investigate the Role of Toll-Like Receptors in

**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA907 10040

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Rabbit Anti Mouse IgG (STAR12...) **RPE**
- Goat Anti Mouse IgG IgA IgM (STAR87...) **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**

- Rabbit Anti Mouse IgG (STAR9...) **FITC**
- Goat Anti Mouse IgG (STAR77...) **HRP**
- Goat Anti Mouse IgG (Fc) (STAR120...) **FITC, HRP**

**Recommended Negative Controls**

- **MOUSE IgG1 NEGATIVE CONTROL (MCA928)**

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M376210:210123'

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