Datasheet: MCA907T

**Description:** MOUSE ANTI HUMAN CD106

**Specificity:** CD106

**Other names:** VCAM-1

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** 1.G11B1

**Isotype:** IgG1

**Quantity:** 25 µg

**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>1/10</td>
<td>1/50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td>1/10</td>
<td>1/50</td>
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<tr>
<td>Immunohistology - Paraffin</td>
<td>1/10</td>
<td>1/50</td>
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<tr>
<td>ELISA</td>
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<td>Immunoprecipitation</td>
<td>1/10</td>
<td>1/50</td>
<td></td>
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<tr>
<td>Western Blotting (1)</td>
<td>1/10</td>
<td>1/50</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

**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.

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A from tissue culture
**Buffer Solution**
Phosphate buffered saline

**Preservative Stabilisers**
0.09% Sodium Azide

**Approx. Protein Concentrations**
IgG concentration 1 mg/ml

**External Database Links**
UniProt: P19320 [Related reagents](#)
Entrez Gene: 7412 VCAM1 [Related reagents](#)

**Synonyms**
L1CAM

**RRID**
AB_1100571

**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**
8. Cabeza, N. *et al.* (2004) Surface expression of collagen receptor Fc receptor-gamma/glycoprotein VI is enhanced on platelets in type 2 diabetes and mediates release
of CD40 ligand and activation of endothelial cells. Diabetes 53: 2117-21.

Storage
This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for...
short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

<table>
<thead>
<tr>
<th>Guarantee</th>
<th>12 months from date of despatch</th>
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<tbody>
<tr>
<td>Regulatory</td>
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**Related Products**

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG (STAR77...) **HRP**
- Rabbit Anti Mouse IgG (STAR12...) **RPE**
- Rabbit Anti Mouse IgG (STAR8...) **DyLight®800**
- Goat Anti Mouse IgG (STAR76...) **RPE**
- Goat Anti Mouse IgG (Fc) (STAR120...) **FITC, HRP**
- Goat Anti Mouse IgG IgA IgM (STAR87...) **Alk. Phos., HRP**
- Rabbit Anti Mouse IgG (STAR13...) **HRP**
- Goat Anti Mouse IgG (STAR70...) **FITC**
- Rabbit Anti Mouse IgG (STAR9...) **FITC**
- Goat Anti Mouse IgG (H/L) (STAR117...) **Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, 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'M381622:210512'

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