Datasheet: MCA907FT

**Description:** MOUSE ANTI HUMAN CD106:FITC

**Specificity:** CD106

**Other names:** VCAM-1

**Format:** FITC

**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](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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<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
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<td>Neat - 1/10</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 appropriate negative/positive controls.

### 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 conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid**

### Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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### Preparation

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

### Buffer Solution

Phosphate buffered saline
**Preservative Stabilisers**
- 0.09% Sodium Azide
- 0.1% Bovine Serum Albumin

**Approx. Protein Concentrations**
IgG concentration 0.1mg/ml

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

**Synonyms**
L1CAM

**RRID**
AB_1100572

**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.


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

**References**

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. This product is photosensitive and should be protected from light.

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<th>Guarantee</th>
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<tr>
<td>12 months from date of despatch</td>
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<tr>
<th>Health And Safety Information</th>
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<tr>
<td>Material Safety Datasheet documentation #10041 available at:</td>
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<table>
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<tr>
<th>Regulatory</th>
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<tr>
<td>For research purposes only</td>
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**Related Products**

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

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

'M384833:210513'

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