Datasheet: MCA907F

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

**Specificity:** CD106

**Other names:** VCAM-1

**Format:** FITC

**Product Type:** Monoclonal Antibody

**Clone:** 1.G11B1

**Isotype:** IgG1

**Quantity:** 0.1 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](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Applications</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>
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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.

**Product Form**
Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

**Max Ex/Em**
<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<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](https://www.uniprot.org/uniprot/P19320)
- Related reagents
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
and regulated on activation normal T cell expressed and secreted are expressed by human breast carcinoma cells and support eosinophil adhesion and activation. Am J Pathol. 157, 313-21.

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. This product is photosensitive and should be protected from light.
Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life
18 months from date of despatch.

Health And Safety Information

Regulatory
For research purposes only

Related Products

Recommended Negative Controls
MOUSE IgG1 NEGATIVE CONTROL-FITC (MCA928F)

Recommended Useful Reagents
HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)