Datasheet: MCA907PE

**Description:** MOUSE ANTI HUMAN CD106:RPE

**Specificity:** CD106

**Other names:** VCAM-1

**Format:** RPE

**Product Type:** Monoclonal Antibody

**Clone:** 1.G11B1

**Isotype:** IgG1

**Quantity:** 100 TESTS

### 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>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td></td>
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<td>Neat - 1/10</td>
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Flow Cytometry

Where this product 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 product 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 R. Phycoerythrin (RPE) - lyophilized

**Reconstitution**

Reconstitute with 1.0 ml distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

<table>
<thead>
<tr>
<th>Max Ex/Em</th>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td></td>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</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 (NaN₃)
- 1% Bovine Serum Albumin
- 5% Sucrose
External Database Links

UniProt: P19320 Related reagents

Entrez Gene: 7412 VCAM1 Related reagents

Synonyms L1CAM

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

16. Hayashida, K. et al. (2000) Rheumatoid arthritis synovial stromal cells inhibit apoptosis and...

### Storage
Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. This product is photosensitive and should be protected from light.

### Shelf Life
12 months from date of reconstitution

### Health And Safety Information
Material Safety Datasheet documentation #10075 available at:

### Regulatory
For research purposes only

### Related Products

#### Recommended Negative Controls

**MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)**

#### Recommended Useful Reagents

**HUMAN SEROBLOCK (BUF070A)**
**HUMAN SEROBLOCK (BUF070B)**

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