### 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

### 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>
<td></td>
<td>Neat - 1/10</td>
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</table>

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. 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 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

### Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
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</tbody>
</table>
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 10⁶ cells in 100ul

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

**Storage**

Store at +4°C. DO NOT FREEZE.

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

**Guarantee**  
12 months from date of despatch

**Health And Safety Information**  
Material Safety Datasheet documentation #20487 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)**

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M375691:210104'

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