## Product Details

<table>
<thead>
<tr>
<th><strong>Description:</strong> MOUSE ANTI HUMAN CD9: Alexa Fluor® 647</th>
<th><strong>Specificity:</strong> CD9</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Other names:</strong> MRP-1</td>
<td></td>
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<tr>
<td><strong>Format:</strong> ALEXA FLUOR® 647</td>
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<tr>
<td><strong>Product Type:</strong> Monoclonal Antibody</td>
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<tr>
<td><strong>Clone:</strong> MM2/57</td>
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<tr>
<td><strong>Isotype:</strong> IgG2b</td>
<td></td>
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<tr>
<td><strong>Quantity:</strong> 25 TESTS/0.25ml</td>
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### 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>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</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 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: Cat, Rhesus Monkey, Bovine, Dog, Rabbit, Horse, Pig, Mink, Llama, Ferret

Based on sequence similarity, is expected to react with: Mustelid

**N.B.** Antibody reactivity and working conditions may vary between species.

### Product Form

Purified IgG conjugated to Alexa Fluor® 647 - liquid

### Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexa Fluor® 647</td>
<td>650</td>
<td>665</td>
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</tbody>
</table>

### Preparation

Purified IgG prepared by affinity chromatography on Protein G.

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide

1% Bovine Serum Albumin

### Approx. Protein Concentrations

IgG concentration 0.05 mg/ml
Immunogen  
Human platelet membranes

External Database Links
  
  UniProt:  
  P21926  
  Related reagents

  Entrez Gene:  
  928  
  CD9  
  Related reagents

Synonyms
MIC3, TSPAN29

Fusion Partners
Spleen cells from immunised BALB/c mice were fused with cells from the SP2/0 mouse myeloma line

Specificity
Mouse anti Human CD9 antibody, clone MM2/57 recognizes human leukocyte antigen Mic3 also known as MRP-1 or CD9. CD9 is a 228 amino acid multi pass membrane glycoprotein belonging to the tetraspanin family with a molecular weight of ~24 kDa expressed by platelets, monocytes, some lymphocytes and endothelial cells.

Mouse anti Human CD9 antibody, clone MM2/57 recognizes a conserved epitope on CD9 present on a wide range of mammalian species.

Flow Cytometry
Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood.

References

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.

Acknowledgements

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Health And Safety Information


Regulatory

For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG2b NEGATIVE CONTROL: Alexa Fluor® 647 (MCA691A647)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)  
HUMAN SEROBLOCK (BUF070B)