Datasheet: MCA469A647

Description: MOUSE ANTI HUMAN CD9:Alexa Fluor® 647

Specificity: CD9

Other names: MRP-1

Format: ALEXA FLUOR® 647

Product Type: Monoclonal Antibody

Clone: MM2/57

Isotype: IgG2b

Quantity: 100 TESTS/1ml

Product Details

RRID: AB_566921

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</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: 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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</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

**Entrez Gene:**
- 928
- CD9

### 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)

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