Datasheet: MCA469F

Product Details

**Description:** MOUSE ANTI HUMAN CD9:FITC

**Specificity:** CD9

**Other names:** MRP-1

**Format:** FITC

**Product Type:** Monoclonal Antibody

**Clone:** MM2/57

**Isotype:** IgG2b

**Quantity:** 0.1 mg

**RRID** AB_321492

**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>Application</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>No</td>
<td>Neat</td>
<td></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 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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<tbody>
<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

1% Bovine Serum Albumin

**Approx. Protein Concentrations**

IgG concentration 0.1 mg/ml
**Immunogen**

Human platelet membranes

**External Database Links**

<table>
<thead>
<tr>
<th>UniProt:</th>
<th>Related reagents</th>
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<th>Entrez Gene:</th>
<th>Related reagents</th>
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<td>928 CD9</td>
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</table>

**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 in 100ul.

**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.

### Health And Safety Information

Material Safety Datasheet documentation #10041 available at:


### Regulatory

For research purposes only

### Related Products

**Recommended Negative Controls**

MOUSE IgG2b NEGATIVE CONTROL:FITC (MCA691F)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)

HUMAN SEROBLOCK (BUF070B)

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