Datasheet: MCA469GA

**Description:** MOUSE ANTI HUMAN CD9

**Specificity:** CD9

**Other names:** MRP-1

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** MM2/57

**Isotype:** IgG2b

**Quantity:** 0.1 mg

## Product Details

**RRID** AB_323972

### Applications

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<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>1/100 - 1/200</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td></td>
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<td>1/500 - 1/1000</td>
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<td>Immunohistology - Paraffin</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</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 - liquid

### Preparation

Purified IgG prepared by affinity chromatography on Protein G.

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

### Carrier Free

Yes
**Approx. Protein Concentrations**

IgG concentration 1.0 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**


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### 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. 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


### Regulatory

For research purposes only.

### Related Products

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG IgA IgM (STAR87...): [Alk. Phos., HRP](#)
- Goat Anti Mouse IgG (STAR77...): [HRP](#)
- Rabbit Anti Mouse IgG (STAR12...): [RPE](#)
- Rabbit Anti Mouse IgG (STAR8...): [DyLight®800](#)
- Rabbit Anti Mouse IgG (STAR13...): [HRP](#)
- Goat Anti Mouse IgG (STAR76...): [RPE](#)
- Goat Anti Mouse IgG (STAR70...): [FITC](#)
- Goat Anti Mouse IgG (Fc) (STAR120...): [FITC, HRP](#)
- Rabbit Anti Mouse IgG (STAR9...): [FITC](#)
- Human Anti Mouse IgG2b (HCA038...): [FITC](#)
- Goat Anti Mouse IgG (H/L) (STAR117...): [Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP](#)

**Recommended Negative Controls**

- MOUSE IgG2b NEGATIVE CONTROL (MCA691)

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<thead>
<tr>
<th>North &amp; South America</th>
<th>Tel: +1 800 265 7376</th>
<th>Tel: +44 (0)1865 852 700</th>
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