Datasheet: MCA1053G

**Description:** MOUSE ANTI HUMAN CD48

**Specificity:** CD48

**Other names:** BLAST-1

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** MEM-102

**Isotype:** IgG1

**Quantity:** 0.2 mg

### Product Details

#### 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>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>1/50 - 1/100</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting (1)</td>
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<td>Immunofluorescence</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.

(1) **This product recognizes CD48 under non-reducing conditions.**

#### Target Species

**Human**

#### Species Cross Reactivity

Reacts with: Rhesus Monkey

**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 A

#### Buffer Solution

Phosphate buffered saline

#### Preservative Stabilisers

0.09% Sodium Azide

#### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml
Mouse anti Human CD48 antibody, clone MEM-102 recognizes to the 45kDa leucocyte surface glycoprotein specific for the CD48 antigen which is closely related to the activation antigen, Blast-1.

Mouse anti Human CD48 antibody, clone MEM-102 is useful in the detection of CD48 positive cells and may be used in studies to differentiate haemapoietic tumors, sarcomas and melanomas.

Flow Cytometry
Use 10ul of the suggested working dilution to label $10^6$ cells in 100ul

Immunohistology
This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

Histology Positive Control Tissue
Tonsil

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. 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.
Related Products

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG (STAR76...)  **RPE**
- Goat Anti Mouse IgG IgA IgM (STAR87...)  **Alk. Phos., HRP**
- Rabbit Anti Mouse IgG (STAR13...)  **HRP**
- Goat Anti Mouse IgG (H/L) (STAR117...)  **Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP**
- Rabbit Anti Mouse IgG (STAR9...)  **FITC**
- Goat Anti Mouse IgG (STAR77...)  **HRP**
- Rabbit Anti Mouse IgG (STAR12...)  **RPE**
- Goat Anti Mouse IgG (Fc) (STAR120...)  **FITC, HRP**
- Rabbit Anti Mouse IgG (STAR8...)  **DyLight®800**
- Goat Anti Mouse IgG (STAR70...)  **FITC**
- Human Anti Mouse IgG1 (HCA036...)  **HRP**

**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL (MCA928)