Datasheet: MCA1053F

Description: MOUSE ANTI HUMAN CD48:FITC

Specificity: CD48

Other names: BLAST-1

Format: FITC

Product Type: Monoclonal Antibody

Clone: MEM-102

Isotype: IgG1

Quantity: 0.1 mg

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>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>-</td>
<td>Neat</td>
<td></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: Rhesus Monkey

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>
<thead>
<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

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.1mg/ml
External Database Links

<table>
<thead>
<tr>
<th>UniProt:</th>
<th>Related reagents</th>
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<td>P09326</td>
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Entrez Gene:

<table>
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<tr>
<th>Gene ID</th>
<th>Gene Name</th>
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<tr>
<td>962</td>
<td>CD48</td>
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Synonyms

<table>
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<tr>
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<tbody>
<tr>
<td>BCM1</td>
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<tr>
<td>BLAST1</td>
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</table>

Specificity

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 1 x 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:

Related Products

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)