Datasheet: MCA1053PET

Description: MOUSE ANTI HUMAN CD48:RPE

Specificity: CD48

Other names: BLAST-1

Format: RPE

Product Type: Monoclonal Antibody

Clone: MEM-102

Isotype: IgG1

Quantity: 25 TESTS

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.

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

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. 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 R. Phycoerythrin (RPE) - lyophilized

Reconstitution

Reconstitute in 0.25 ml distilled water

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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<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</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 (NaN₃)
1% Bovine Serum Albumin
5% Sucrose

External Database Links

UniProt: P09326
Related reagents
Entrez Gene:
962 CD48 Related reagents

Synonyms
BCM1, BLAST1

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 $10^6$ cells in 100ul.

References

Storage
Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life
12 months from date of reconstitution.

Health And Safety Information

Regulatory
For research purposes only

Related Products
Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL: RPE (MCA928PE)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)