Datasheet: MCA551PB

**Description:** MOUSE ANTI HUMAN CD11b:Pacific Blue®

**Specificity:** CD11b

**Other names:** INTEGRIN ALPHA M CHAIN, MAC-1

**Format:** Pacific Blue®

**Product Type:** Monoclonal Antibody

**Clone:** ICRF44

**Isotype:** IgG1

**Quantity:** 100 TESTS/1ml

**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>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Neat</td>
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Where this product 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 product for use in their own system using appropriate negative/positive controls.

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Cynomolgus monkey, Baboon, Rhesus Monkey

Does not react with: Cat

**N.B.** Antibody reactivity and working conditions may vary between species.

**Product Form**

Purified IgG conjugated to Pacific Blue® - 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>Pacific Blue®</td>
<td>410</td>
<td>455</td>
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**Preparation**

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide

1% Bovine Serum Albumin

**Approx. Protein Concentrations**

IgG concentration 0.05 mg/ml

**Immunogen**

Rheumatoid synovial cells and human monocytes
Fusion Partners
Spleen cells from immunised BALB/c mice were fused with cells of the mouse Sp2/0 myeloma cell line

Specificity
Mouse anti Human CD11b antibody, clone ICRF44 recognizes the human CD11b cell surface glycoprotein, a 165 kDa molecule also known as the alphaM integrin, MAC-1 and CR3. This molecule is expressed as a heterodimer in association with the beta 2 integrin, and is found upon monocytes, granulocytes, NK cells and some peripheral blood lymphocytes.

Mouse anti Human CD11b antibody, clone ICRF44 has been reported to have various functional effects on monocytes, blocking adhesion and stimulating cytokine and chemokine release.

Flow Cytometry
Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood

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

Acknowledgements
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Health And Safety Information

Regulatory
For research purposes only

Related Products
Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL: Pacific Blue® (MCA928PB)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)