Datasheet: MCA551PE

**Description:** MOUSE ANTI HUMAN CD11b:RPE

**Specificity:** CD11b

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

**Format:** RPE

**Product Type:** Monoclonal Antibody

**Clone:** ICRF44

**Isotype:** IgG1

**Quantity:** 100 TESTS

**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>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Neat</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: 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 R. Phycoerythrin (RPE) - lyophilized

**Reconstitution**

Reconstitute with 1 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 G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide

1% Bovine Serum Albumin

5% Sucrose
**Immunogen**
Rheumatoid synovial cells and human monocytes

**External Database Links**

- **UniProt:**
  - P11215
  - Related reagents

**Entrez Gene:**
- 3684
  - ITGAM
  - Related reagents

**Synonyms**
CD11B, CR3A

**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 100ul of whole blood or $10^6$ 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)