Datasheet: MCA551P647

Description: MOUSE ANTI HUMAN CD11b: RPE-Alexa Fluor® 647

Specificity: CD11b

Other names: INTEGRIN ALPHA M CHAIN, MAC-1

Format: RPE-ALEXA FLUOR® 647

Product Type: Monoclonal Antibody

Clone: ICRF44

Isotype: IgG1

Quantity: 100 TESTS/1ml

Product Details

RRID: AB_931715

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>Application</th>
<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></td>
<td></td>
<td>Neat - 1/5</td>
</tr>
</tbody>
</table>

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) - Alexa Fluor® 647 - lyophilized

Reconstitution

Reconstitute with 1 ml distilled water

Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPE-Alexa Fluor®647 488nm laser</td>
<td>496</td>
<td>667</td>
</tr>
<tr>
<td>RPE-Alexa Fluor®647 561nm laser</td>
<td>546</td>
<td>667</td>
</tr>
</tbody>
</table>

Preparation

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

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide
<table>
<thead>
<tr>
<th><strong>Stabilisers</strong></th>
<th>1% Bovine Serum Albumin</th>
<th>5% Sucrose</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Immunogen</strong></td>
<td>Rheumatoid synovial cells and human monocytes</td>
<td></td>
</tr>
<tr>
<td><strong>External Database Links</strong></td>
<td><strong>UniProt:</strong></td>
<td><strong>Related reagents</strong></td>
</tr>
<tr>
<td></td>
<td>P11215</td>
<td></td>
</tr>
<tr>
<td><strong>Entrez Gene:</strong></td>
<td><strong>3684 ITGAM</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Related reagents</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Synonyms</strong></td>
<td>CD11B, CR3A</td>
<td></td>
</tr>
<tr>
<td><strong>Fusion Partners</strong></td>
<td>Spleen cells from immunised BALB/c mice were fused with cells of the mouse Sp2/0 myeloma cell line</td>
<td></td>
</tr>
<tr>
<td><strong>Specificity</strong></td>
<td><strong>Mouse anti Human CD11b antibody, clone ICRF44</strong> 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.</td>
<td></td>
</tr>
<tr>
<td><strong>Flow Cytometry</strong></td>
<td>Use 10ul of the suggested working dilution to label 100ul of whole blood or 10^6 cells in 100ul.</td>
<td></td>
</tr>
</tbody>
</table>

**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.

**Acknowledgements**

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**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL:RPE-Alexa Fluor® 647 (MCA928P647)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)