**Datasheet: MCA551EL**

**Description:** MOUSE ANTI HUMAN CD11b:Low Endotoxin

**Specificity:** CD11b

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

**Format:** Low Endotoxin

**Product Type:** Monoclonal Antibody

**Clone:** ICRF44

**Isotype:** IgG1

**Quantity:** 0.5 mg

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**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](http://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>•</td>
<td>1/50 - 1/100</td>
</tr>
<tr>
<td>Immunohistology - Frozen (1)</td>
<td>■</td>
<td>•</td>
<td>1/50 - 1/500</td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td>■</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td>■</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td>■</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

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.

(1) **The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.**

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**Target Species**

Human

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**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.

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**Product Form**

Purified IgG - liquid

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**Preparation**

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

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**Buffer Solution**

Phosphate buffered saline

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**Preservative Stabilisers**

None Present
<table>
<thead>
<tr>
<th><strong>Carrier Free</strong></th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Endotoxin Level</strong></td>
<td>&lt; 0.01 EU/ug</td>
</tr>
<tr>
<td><strong>Approx. Protein Concentrations</strong></td>
<td>IgG concentration 1.0 mg/ml</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Rheumatoid synovial cells and human monocytes</td>
</tr>
<tr>
<td><strong>External Database Links</strong></td>
<td>UniProt: P11215 Related reagents</td>
</tr>
<tr>
<td><strong>Entrez Gene</strong></td>
<td>3684 ITGAM Related reagents</td>
</tr>
<tr>
<td><strong>Synonyms</strong></td>
<td>CD11B, CR3A</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>
</tr>
<tr>
<td><strong>Specificity</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Histology Positive Control Tissue</strong></td>
<td>Human tonsil</td>
</tr>
</tbody>
</table>
8. Canalli, A.A. *et al.* (2001) Participation of Mac-1, LFA-1 and VLA-4 integrins in the in vitro adhesion of sickle cell disease neutrophils to endothelial layers, and reversal of adhesion by...

**Storage**

Store at -20°C only.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

Goat Anti Mouse IgG IgA IgM (STAR87...) *Alk. Phos., HRP*
Goat Anti Mouse IgG (STAR77...) *HRP*
Rabbit Anti Mouse IgG (STAR12...) *RPE*
Rabbit Anti Mouse IgG (STAR8...) *DyLight®800*
Rabbit Anti Mouse IgG (STAR13...) *HRP*
Goat Anti Mouse IgG (STAR76...) *RPE*
Goat Anti Mouse IgG (STAR70...) *FITC*
Goat Anti Mouse IgG (Fc) (STAR120...) *FITC, HRP*
Rabbit Anti Mouse IgG (STAR9...) *FITC*
Goat Anti Mouse IgG (H/L) (STAR117...) *Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP*

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL: Low Endotoxin (MCA928EL)