Datasheet: MCA551

| Description: | MOUSE ANTI HUMAN CD11b |
| Specificity: | CD11b |
| Other names: | INTEGRIN ALPHA M CHAIN, MAC-1 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | ICRF44 |
| Isotype: | IgG1 |
| Quantity: | 0.2 mg |

Product Details

RRID: AB_321288

Applications

<table>
<thead>
<tr>
<th>Applications</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>1/10 - 1/100</td>
</tr>
<tr>
<td>Immunohistology - Frozen (1)</td>
<td>-</td>
<td></td>
<td></td>
<td>1/100 - 1/1000</td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td></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.

(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.

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 - liquid

Preparation

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

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide
### Stabilisers

| Carrier Free | Yes |

| Approx. Protein Concentrations | IgG concentration 1 mg/ml |

| Immuneogen | Rheumatoid synovial cells and human monocytes |

### Immunogen

| 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 10⁶ cells or 100ul whole blood |

### Histology Positive Control Tissue

| Human tonsil |

### 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. 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

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 (F(α)) (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 (MCA928)