

## Datasheet: MCA74GA

**BATCH NUMBER 1808**

|                      |                               |
|----------------------|-------------------------------|
| <b>Description:</b>  | RAT ANTI MOUSE CD11b          |
| <b>Specificity:</b>  | CD11b                         |
| <b>Other names:</b>  | INTEGRIN ALPHA M CHAIN, MAC-1 |
| <b>Format:</b>       | Purified                      |
| <b>Product Type:</b> | Monoclonal Antibody           |
| <b>Clone:</b>        | M1/70.15                      |
| <b>Isotype:</b>      | IgG2b                         |
| <b>Quantity:</b>     | 0.1 mg                        |

## 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).

|                                | Yes | No | Not Determined | Suggested Dilution |
|--------------------------------|-----|----|----------------|--------------------|
| Flow Cytometry                 | ▪   |    |                | 1/50 - 1/200       |
| Immunohistology - Frozen       | ▪   |    |                |                    |
| Immunohistology - Paraffin (1) | ▪   |    |                |                    |
| Immunohistology - Resin        |     |    | ▪              |                    |
| ELISA                          |     |    | ▪              |                    |
| Immunoprecipitation            | ▪   |    |                |                    |
| Western Blotting               |     |    | ▪              |                    |
| Immunofluorescence             | ▪   |    |                |                    |

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) PLP fixation is recommended for optimal results, see [Whiteland et al.](#) for details

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Mouse   |
| <b>Species Cross Reactivity</b> | <p>Reacts with: Human, Rabbit</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p> |

|                                       |  |
|---------------------------------------|--|
| <b>Product Form</b>                   | Purified IgG - liquid  |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant  |
| <b>Buffer Solution</b>                | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide   |
| <b>Carrier Free</b>                   | Yes  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml  |
| <b>Immunogen</b>                      | T cell enriched splenocytes from B10 mice.   |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P05555</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">16409</a>   Itgam   <a href="#">Related reagents</a></p>  |
| <b>RRID</b>                           | AB_324660  |
| <b>Fusion Partners</b>                | Spleen cells from immunised DA rats were fused with cells of the NS1/1.Ag4.1 mouse myeloma cell line.  |
| <b>Specificity</b>                    | <p><b>Rat anti Mouse CD11b antibody, clone M1/70.15</b> recognizes the murine CD11b cell surface antigen also known as the alpha M integrin chain or MAC-1, a differentiation antigen expressed by granulocytes, monocytes, NK cells and tissue macrophages.</p> <p>The expression of CD11b increases during monocyte maturation and expression levels vary on tissue macrophages. Peritoneal macrophages are reported to express higher levels of CD11b than splenic macrophages.</p> <p>Rat anti Mouse CD11b antibody, clone M1/70.15 has been reported to block iC3b binding to its receptor (<a href="#">Beller <i>et al.</i> 1982</a>).</p> <p>Rat anti Mouse CD11b antibody, clone M1/70.15 has been reported to as being suitable for use on PLP fixed paraffin embedded tissue but has not been tested for use on formalin fixed tissue (<a href="#">Whiteland <i>et al.</i> 1995</a>).</p> <p>This product is routinely tested in flow cytometry on mouse peritoneal macrophages.</p> |
| <b>References</b>                     | <ol style="list-style-type: none"> <li>1. Beller, D.I. <i>et al.</i> (1982) Anti-Mac-1 selectively inhibits the mouse and human type three complement receptor. <a href="#">J Exp Med. 156 (4): 1000-9.</a></li> <li>2. Fernández-Suárez,D. (2014) The monoacylglycerol lipase inhibitor JZL184 is</li> </ol>  |

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA74GA>  
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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

|  |   |
|--|---|
| Rabbit Anti Rat IgG (STAR16...)                | <a href="#">DyLight®800</a>   |
| Rabbit Anti Rat IgG (STAR17...)                | <a href="#">FITC</a>  |
| Rabbit Anti Rat IgG (STAR21...)                | <a href="#">HRP</a>   |
| Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) | <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®800</a> |
| Goat Anti Rat IgG (STAR131...)                 | <a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>                                     |
| Goat Anti Rat IgG (STAR72...)                  | <a href="#">HRP</a>   |
| Goat Anti Rat IgG (STAR69...)                  | <a href="#">FITC</a>  |
| Goat Anti Rat IgG (STAR73...)                  | <a href="#">RPE</a>   |

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