

## Datasheet: MCA711EL

|                      |                                    |
|----------------------|------------------------------------|
| <b>Description:</b>  | RAT ANTI MOUSE CD11b:Low Endotoxin |
| <b>Specificity:</b>  | CD11b                              |
| <b>Other names:</b>  | INTEGRIN ALPHA M CHAIN, MAC-1      |
| <b>Format:</b>       | Low Endotoxin                      |
| <b>Product Type:</b> | Monoclonal Antibody                |
| <b>Clone:</b>        | 5C6                                |
| <b>Isotype:</b>      | IgG2b                              |
| <b>Quantity:</b>     | 0.5 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 - 1/100       |
| Immunohistology - Frozen   | ▪   |    |                |                    |
| Immunohistology - Paraffin |     |    | ▪              |                    |
| ELISA                      |     |    | ▪              |                    |
| Immunoprecipitation        | ▪   |    |                |                    |
| Western Blotting           |     |    | ▪              |                    |
| Immunofluorescence         | ▪   |    |                |                    |
| Functional Assays          | ▪   |    |                |                    |

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.

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Mouse   |
| <b>Species Cross Reactivity</b> | <p>Reacts with: Human</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

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**Buffer Solution** Phosphate buffered saline

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**Preservative Stabilisers** None present

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**Carrier Free** Yes

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**Endotoxin Level** < 0.01 EU/ug

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

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**Immunogen** Thioglycollate-elicited peritoneal macrophages (TPM)

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**External Database Links**

**UniProt:**

[P05555](#) [Related reagents](#)

**Entrez Gene:**

[16409](#) Itgam [Related reagents](#)

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**RRID** AB\_2129276

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**Fusion Partners** Spleen cells from AO rats were fused with cells of the Y3 rat myeloma cell line

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**Specificity** **Rat anti Mouse CD11b antibody, clone 5C6** recognizes CD11b, also known as the integrin alpha M chain. CD11b is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles.

Rat anti Mouse CD11b antibody, clone 5C6 immunoprecipitates a heterodimer of ~165 and ~95 kDa. This clone also exhibits various functional properties, reportedly inhibiting adhesion *in vitro* and inflammatory recruitment *in vivo*. Rat anti Mouse CD11b antibody, clone 5C6 also inhibits delayed hypersensitivity, potentiates bacterial infections and inhibits type 1 diabetes.

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**Flow Cytometry** Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**Histology Positive Control Tissue** Spleen

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**References**

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**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10162 available at: 10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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