

## Datasheet: MCA711SBY800

**BATCH NUMBER 100007813**

|                      |  |
|----------------------|--|
| <b>Description:</b>  | RAT ANTI MOUSE CD11b:StarBright Yellow 800 |
| <b>Specificity:</b>  | CD11b                                      |
| <b>Other names:</b>  | INTEGRIN ALPHA M CHAIN, MAC-1              |
| <b>Format:</b>       | StarBright Yellow 800                      |
| <b>Product Type:</b> | Monoclonal Antibody                        |
| <b>Clone:</b>        | 5C6  |
| <b>Isotype:</b>      | IgG2b                                      |
| <b>Quantity:</b>     | 100 TESTS/0.5ml                            |

## 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 | ▪   |    |                | Neat               |

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.

### Target Species

Mouse

### Species Cross Reactivity

Reacts with: Human

**N.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.

### Product Form

Purified IgG conjugated to StarBright Yellow 800 - liquid

| Max Ex/Em | Fluorophore           | Excitation Max (nm) | Emission Max (nm) |
|-----------|-----------------------|---------------------|-------------------|
|           | StarBright Yellow 800 | 549                 | 788               |

### Preparation

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

|                                |  |
|--------------------------------|--|
| <b>Buffer Solution</b>         | Phosphate buffered saline  |
| <b>Preservative</b>            | 0.09% Sodium Azide (NaN <sub>3</sub> )   |
| <b>Stabilisers</b>             | 1% Bovine Serum Albumin<br>0.1% Pluronic F68<br>0.1% PEG 3350<br>0.05% Tween 20  |
| <b>Immunogen</b>               | Thioglycollate-elicited peritoneal macrophages (TPM)   |
| <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>Fusion Partners</b>         | Spleen cells from AO rats were fused with cells of the Y3 rat myeloma cell line  |
| <b>Specificity</b>             | <p><b>Rat anti Mouse CD11b antibody, clone 5C6</b> 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.</p> <p>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 <i>in vitro</i> and inflammatory recruitment <i>in vivo</i>. Rat anti Mouse CD11b antibody, clone 5C6 also inhibits delayed hypersensitivity, potentiates bacterial infections and inhibits type 1 diabetes.</p>  |
| <b>Flow Cytometry</b>          | Use 5µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.  |
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|--------------------------------------|--|
| <b>Storage</b>                       | Store at +4°C. DO NOT FREEZE.<br>This product should be stored undiluted.  |
| <b>Guarantee</b>                     | 12 months from date of despatch  |
| <b>Acknowledgements</b>              | This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #20471 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA711SBY800">https://www.bio-rad-antibodies.com/SDS/MCA711SBY800</a> |
| <b>Regulatory</b>                    | For research purposes only   |

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## Related Products

### Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

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