

## Datasheet: MCA711P750

<b>Description:</b>	RAT ANTI MOUSE CD11b:RPE-Alexa Fluor® 750
<b>Specificity:</b>	CD11b
<b>Other names:</b>	INTEGRIN ALPHA M CHAIN, MAC-1
<b>Format:</b>	RPE-ALEXA FLUOR® 750
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	5C6
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	100 TESTS

## 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.

<b>Target Species</b>	Mouse									
<b>Species Cross Reactivity</b>	Reacts with: Human <b>N.B.</b> Antibody reactivity and working conditions may vary between species.									
<b>Product Form</b>	Purified IgG conjugated to RPE-Alexa Fluor 750 - lyophilized									
<b>Reconstitution</b>	Reconstitute with 1.0 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.									
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE-Alexa Fluor®750 488nm laser</td> <td>496</td> <td>779</td> </tr> <tr> <td>RPE-Alexa Fluor®750 561nm laser</td> <td>546</td> <td>779</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE-Alexa Fluor®750 488nm laser	496	779	RPE-Alexa Fluor®750 561nm laser	546	779
Fluorophore	Excitation Max (nm)	Emission Max (nm)								
RPE-Alexa Fluor®750 488nm laser	496	779								
RPE-Alexa Fluor®750 561nm laser	546	779								
<b>Preparation</b>	Purified IgG prepared by ion exchange chromatography									
<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									

5% Sucrose

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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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**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.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR ([BUF041A/B](#)).

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**References**

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**Storage** Prior to reconstitution store at +4°C.  
After reconstitution store at +4°C.  
DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.

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**Guarantee** 12 months from date of reconstitution

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**Health And Safety Information** Material Safety Datasheet documentation #10075 available at:  
10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

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**Regulatory** For research purposes only

## Related Products

### Recommended Negative Controls

[RAT IgG2b NEGATIVE CONTROL:RPE-Alexa Fluor® 750 \(MCA6006P750\)](#)

### Recommended Useful Reagents

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

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

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