

Datasheet: MCA711P647

Description:	RAT ANTI MOUSE CD11b:RPE-Alexa Fluor® 647
Specificity:	CD11b
Other names:	INTEGRIN ALPHA M CHAIN, MAC-1
Format:	RPE-ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	5C6
Isotype:	IgG2b
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/5

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.									
Product Form	Purified IgG conjugated to RPE-Alexa Fluor 647 - lyophilized									
Reconstitution	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.									
Max Ex/Em	<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®647 488nm laser</td> <td>496</td> <td>667</td> </tr> <tr> <td>RPE-Alexa Fluor®647 561nm laser</td> <td>546</td> <td>667</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE-Alexa Fluor®647 488nm laser	496	667	RPE-Alexa Fluor®647 561nm laser	546	667
Fluorophore	Excitation Max (nm)	Emission Max (nm)								
RPE-Alexa Fluor®647 488nm laser	496	667								
RPE-Alexa Fluor®647 561nm laser	546	667								
Preparation	Purified IgG prepared by ion exchange chromatography									
Buffer Solution	Phosphate buffered saline									
Preservative	0.09% Sodium Azide (NaN ₃)									
Stabilisers	1% Bovine Serum Albumin									

5% Sucrose

Immunogen

Thioglycollate-elicited peritoneal macrophages (TPM)

External Database Links**UniProt:**

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

Entrez Gene:

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

Fusion Partners

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

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.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ 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](#)).

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.

Guarantee 12 months from date of reconstitution

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

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'M344291:190111'

Printed on 20 May 2019