

Datasheet: MCA6043PE

Description:	RAT ANTI MOUSE CD21/CD35:RPE
Specificity:	CD21/CD35
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	7E9
Isotype:	IgG2a
Quantity:	0.2 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/5 - 1/10

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						
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid						
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 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
RPE 488nm laser	496	578					
Preparation	Purified IgG prepared by affinity chromatography						
Buffer Solution	Phosphate buffered saline						
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)						
Approx. Protein Concentrations	IgG concentration 0.2 mg/ml						
Immunogen	CD35/CFA						

**External Database
Links**

UniProt:

[P19070](#) [Related reagents](#)

Entrez Gene:

[12902](#) Cr2 [Related reagents](#)

Specificity

Rat anti Mouse CD21/CD35, clone 7E9 recognizes CD21/CD35 also known as CR2/CR1. CD21, also known as complement receptor 2 (CR2) and CD35, also known as complement receptor 1 (CR1) bind the activated products of C3 and C4. CD21/CD35 forms part of the B-cell antigen receptor complex with CD19 and CD81. CD21/CD35 is primarily expressed on B lymphocytes, mast cells, follicular dendritic cells, macrophages and activated granulocytes and they constitute the principle receptors for uptake and retention of immune complexes. In their absence, memory B-cell survival is markedly impaired.

Flow Cytometry

Use 10 µl of the suggested working dilution to label 1x10⁶ cells in 100ul

Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:RPE \(MCA1212PE\)](#)

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