

## Datasheet: MCA6043PE

<b>Description:</b>	RAT ANTI MOUSE CD21/CD35:RPE
<b>Specificity:</b>	CD21/CD35
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	7E9
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://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.

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

**External Database  
Links**

**UniProt:**

[P19070](#)

[Related reagents](#)

**Entrez Gene:**

[12902](#)

Cr2

[Related reagents](#)

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**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.

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**Flow Cytometry**

Use 10 µl of the suggested working dilution to label 1x10<sup>6</sup> cells in 100ul

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**References**

1. Kulik, L. *et al.* (2015) A new mouse anti-mouse complement receptor type 2 and 1 (CR2/CR1) monoclonal antibody as a tool to study receptor involvement in chronic models of immune responses and disease. [Mol Immunol. 63 \(2\): 479-88.](#)

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**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.

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**Guarantee**

Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6043PE>  
10040

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Negative Controls

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

**North & South  
America**

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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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