

## Datasheet: MCA2113PE

<b>Description:</b>	MOUSE ANTI HUMAN CD46:RPE
<b>Specificity:</b>	CD46
<b>Other names:</b>	MEMBRANE CO-FACTOR PROTEIN
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MEM-258
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS

## Product Details

**RRID** AB\_324204

**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 antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species** Human

**Product Form** Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

**Reconstitution** Reconstitute with 1 ml distilled water

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578

**Preparation** Purified IgG prepared by affinity chromatography on Protein A

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.09% Sodium Azide  
**Stabilisers** 1% Bovine Serum Albumin

**Immunogen** HPB-ALL cell line.

**External Database Links**  
**UniProt:**  
[P15529](#) [Related reagents](#)

**Entrez Gene:**[4179](#) CD46 [Related reagents](#)**Synonyms**

MCP, MIC10

**Specificity**

**Mouse anti Human CD46 antibody, clone MEM-258** recognizes the human CD46 cell surface antigen, a broadly expressed glycoprotein also known as membrane co-factor protein (MCP).

CD46 functions as an inhibitor of complement activation limiting the formation and activity of C3 convertases. CD46 is expressed by all nucleated cells, often as multiple isoforms on the same cells. The molecule is also expressed by sperm and may be important in the process of fertilisation.

**Flow Cytometry**

Use 10ul of the suggested working dilution to label 10<sup>6</sup> or 100ul whole blood.

**References**

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<b>Storage</b>	<p>Store at +4°C.</p> <p>DO NOT FREEZE</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of reconstitution.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10338 available at: 10338: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10338.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10338.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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