

Datasheet: MCA2113PET

Description:	MOUSE ANTI HUMAN CD46:RPE
Specificity:	CD46
Other names:	MEMBRANE CO-FACTOR PROTEIN
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	MEM-258
Isotype:	IgG1
Quantity:	25 TESTS/0.25ml

Product Details

RRID AB_1102096

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

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) - lyophilised

Reconstitution Reconstitute with 0.25 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
 5% Sucrose

Immunogen HPB-ALL cell line.

External Database Links
UniProt: [P15529](https://www.uniprot.org/entry/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 10⁶ or 100ul whole blood.

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. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

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

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

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