

## Datasheet: MCA1927PE

<b>Description:</b>	MOUSE ANTI HUMAN CD59:RPE
<b>Specificity:</b>	CD59
<b>Other names:</b>	HRF, PROTECTIN
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MEM-43/5
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](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. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
<b>Reconstitution</b>	Reconstitute with 1.0 ml distilled water		
<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 on Protein A		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	0.09% Sodium Azide		
	1%	Bovine Serum Albumin	
	5%	Sucrose	

**External Database  
Links**

**UniProt:**

[P13987](#)    [Related reagents](#)

**Entrez Gene:**

[966](#)    CD59    [Related reagents](#)

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**Synonyms**            MIC11, MIN1, MIN2, MIN3, MSK21

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**RRID**                AB\_322284

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**Specificity**            **Mouse anti Human CD59 antibody, clone MEM-43/5** reacts with a PI-linked glycoprotein of ~18-20 kDa found on all types of leucocytes including platelets. The antigen is expressed on many haemopoietic and non-haemopoietic cells. Mouse anti Human CD59 antibody, clone MEM-43/5 recognizes an epitope distinct to that bound by Mouse anti Human CD59 antibody, clone MEM-43 ([MCA1054](#)).

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**Flow Cytometry**        Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**References**

1. Stefanova, I., *et al.* (1989) in Leucocyte Typing IV: White cell differentiation antigens. Ed. Knapp, W. *et al.* Oxford University Press pp 678-97.
2. Tandon, N. *et al.* (1994) Expression and function of multiple regulators of complement activation in autoimmune thyroid disease. [Immunology. 81 \(4\): 643-7.](#)
3. Horejsí, V. *et al.* (1988) Monoclonal antibodies against human leucocyte antigens. II. Antibodies against CD45 (T200), CD3 (T3), CD43, CD10 (CALLA), transferrin receptor (T9), a novel broadly expressed 18-kDa antigen (MEM-43) and a novel antigen of restricted expression (MEM-74). [Folia Biol \(Praha\). 34 \(1\): 23-34.](#)
4. Ellison, B.S. *et al.* (2007) Complement susceptibility in glutamine deprived breast cancer cells. [Cell Div. 2: 20.](#)
5. Vanderplasschen, A. *et al.* (1998) Extracellular enveloped vaccinia virus is resistant to complement because of incorporation of host complement control proteins into its envelope. [Proc Natl Acad Sci U S A. 95 \(13\): 7544-9.](#)
6. Takemoto, M. *et al.* (2007) Human herpesvirus 7 infection increases the expression levels of CD46 and CD59 in target cells. [J Gen Virol. 88: 1415-22.](#)
7. Ohyama, M. *et al.* (2006) Characterization and isolation of stem cell-enriched human hair follicle bulge cells. [J Clin Invest. 116: 249-60.](#)

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**Storage**                Prior to reconstitution store at +4°C. Following 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.

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**Guarantee**            12 months from date of despatch

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**Health And Safety**    Material Safety Datasheet documentation #20487 available at:

**Information** 20487: <https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:RPE \(MCA691PE\)](#)

### Recommended Useful Reagents

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

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

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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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