

Datasheet: MCA1927PET

Description:	MOUSE ANTI HUMAN CD59:RPE
Specificity:	CD59
Other names:	HRF, PROTECTIN
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	MEM-43/5
Isotype:	IgG2b
Quantity:	25 TESTS

Product Details

RRID AB_1102229

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. 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.

Target Species Human

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

Reconstitution Reconstitute in 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

External Database Links

UniProt:
[P13987](#) [Related reagents](#)

Entrez Gene:

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

Synonyms	MIC11, MIN1, MIN2, MIN3, MSK21
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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 ⁶ cells in 100ul.
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References	<ol style="list-style-type: none">1. Stefanova, I., <i>et al.</i> (1989) in Leucocyte Typing IV: White cell differentiation antigens. Ed. Knapp, W. <i>et al.</i> Oxford University Press pp 678-97.2. Tandon, N. <i>et al.</i> (1994) Expression and function of multiple regulators of complement activation in autoimmune thyroid disease. Immunology. 81 (4): 643-7.3. Horejsí, V. <i>et al.</i> (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. <i>et al.</i> (2007) Complement susceptibility in glutamine deprived breast cancer cells. Cell Div. 2: 20.5. Vanderplasschen, A. <i>et al.</i> (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. <i>et al.</i> (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. <i>et al.</i> (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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Shelf Life	12 months from date of reconstitution.
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Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.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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