

## Monoclonal Antibody to CD59 - PE

<b>Alternate names:</b>	20 kDa homologous restriction factor, HRF-20, HRF20, MAC-IP, MAC-inhibitory protein, MACIF, MEM43 antigen, MIC11, MIN1, MIN2, MIN3, MIRL, MSK21, Membrane attack complex inhibition factor, Membrane inhibitor of reactive lysis, Protectin
<b>Catalog No.:</b>	SM3033RT
<b>Quantity:</b>	25 Tests
<b>Background:</b>	CD59, an LY6 like protein expressed in human lymphoid cells, regulates the action of the complement membrane attack complex on homologous cells. It is a potent inhibitor of the complement membrane attack complex action. It acts by binding to the C8 and/or C9 complements of the membrane attack complex, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. CD59 is also involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.
<b>Uniprot ID:</b>	<a href="#">P13987</a>
<b>NCBI:</b>	<a href="#">NP_000602.1</a>
<b>GeneID:</b>	<a href="#">966</a>
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Clone:</b>	MEM-43/5
<b>Format:</b>	<b>State:</b> Lyophilized purified IgG fraction <b>Purification:</b> Affinity Chromatography on Protein A <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer <b>Label:</b> PE – R. Phycoerythrin (RPE) <b>Reconstitution:</b> Restore with 0.25 ml distilled water.
<b>Applications:</b>	<b>Flow Cytometry:</b> Use 10 µl of Neat antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts with a PI-linked glycoprotein, Mw 18-20kD found on all types of leucocytes including platelets. The antigen is expressed on many haemopoietic and non-haemopoietic cells. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted Prior to and after reconstitution at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)

- General References:**
1. Stefanova, I. et al. (1989) Characterization of a broadly expressed human leucocyte surface antigen MEM-43 anchored in membrane through phosphatidylinositol Mol. Immunol. 26: 153-161.
  2. Stefanova, I., et al. (1989) in Leucocyte Typing IV: White cell differentiation antigens. Ed. Knapp, W. et al. Oxford University Press pp 678-697.
  3. Tandon, N. et al. (1994) Expression and function of multiple regulators of complement activation in autoimmune thyroid disease. Immunology 81: 643-647.
  4. Horejsi, 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). Fol. Bio. (Prague) 34: 23-24.

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