

Monoclonal Antibody to CD59 - FITC

Alternate names:	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
Catalog No.:	SM1145FT
Quantity:	25 µg
Concentration:	0.1 mg/ml
Background:	<p>CD59 is an LY6 like protein expressed in human lymphoid cells (haemopoietic and non-haemopoietic 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.</p> <p>CD59 is an 18-20kD GPI anchored single chain glycoprotein, expressed by virtually all cell types, including leucocytes, platelets and erythrocytes.</p>
Uniprot ID:	P13987
NCBI:	NP_000602.1
GeneID:	966
Host / Isotype:	Mouse / IgG2a
Clone:	MEM-43
Format:	<p>State: Liquid purified IgG fraction.</p> <p>Purification: Affinity Chromatography on Protein A.</p> <p>Buffer System: BS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer.</p> <p>Label: FITC – Fluorescein Isothiocyanate Isomer 1</p>
Applications:	<p>Flow Cytometry (Neat).</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>The antigen binds to C8 and C9 and inhibits assembly of the complement membrane attack complex.</p> <p>Species: Human.</p> <p>Other species not tested.</p>

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

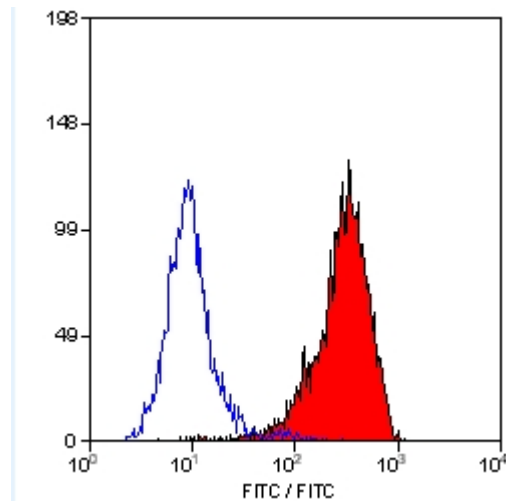
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General References: 1. Stefanova, I. et al. (1989) in Leucocyte Typing IV: White cell differentiation antigens. Ed. Knapp, W. et al. Oxford University Press pp 678-697.
2. Stefanova, I. et al. (1989) Characterisation of a broadly expressed human leucocyte antigen MEM-43 anchored in membrane through phosphatidylinositol. Mol. Immunol. 26: 153 - 161.
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). Folia. Biol. (Prague) 34: 23-24.
5. Stefanova, I. et al. (1991) Association of CD59 and CD55 cell surface glycoproteins with other membrane molecules. J. Immunol. 147: 1587-1592.

Pictures:



Staining of KG1 lymphocytes with Mouse Anti Human CD59-FITC (SM1145FT).

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

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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