

Product datasheet for **SM1145FT**

CD59 Mouse Monoclonal Antibody [Clone ID: MEM-43]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-43
Applications:	FC
Recommended Dilution:	Flow Cytometry (Neat).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	The antigen binds to C8 and C9 and inhibits assembly of the complement membrane attack complex.
Formulation:	BS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A.
Conjugation:	FITC
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD59 molecule
Database Link:	Entrez Gene 966 Human P13987



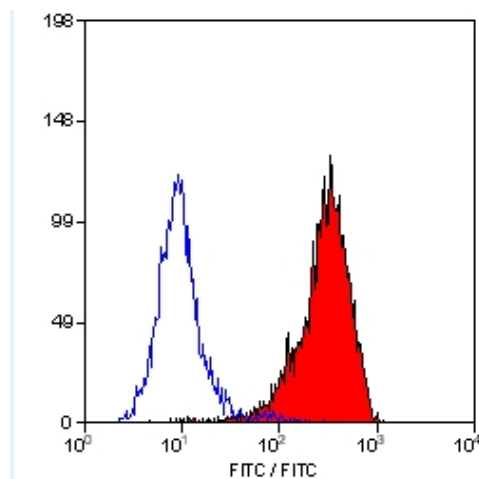
[View online »](#)

Background:

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. CD59 is an 18-20kD GPI anchored single chain glycoprotein, expressed by virtually all cell types, including leucocytes, platelets and erythrocytes.

Synonyms:

MAC-inhibitory protein, Protectin, MEM43 antigen, MIC11, MIN1, MIN2, MIN3, MSK21, MACIF, MAC-IP, MIRL, HRF20, HRF-20

Product images:

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