

Product datasheet for **SM3033R**

CD59 Mouse Monoclonal Antibody [Clone ID: MEM-43/5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-43/5
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of Neat antibody to label 10e6 cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	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.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer Label: PE State: Lyophilized purified IgG fraction Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 0.25 ml distilled water.
Purification:	Affinity Chromatography on Protein A
Conjugation:	PE
Storage:	Store the antibody undiluted Prior to and after reconstitution at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD59 molecule
Database Link:	Entrez Gene 966 Human P13987



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Background:

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.

Synonyms:

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