

Product datasheet for **SM3101A**

CD59 Mouse Monoclonal Antibody [Clone ID: MEM-129]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-129
Applications:	FC, FN
Recommended Dilution:	Flow Cytometry: 2-8 µg/ml. Functional Studies: The antibody activates T-cells.
Reactivity:	Human, Porcine
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Human peripheral blood lymphocytes
Specificity:	The antibody MEM-129 reacts with CD59 (Protectin).
Formulation:	Azide free HEPES buffered saline (HBS), approx. pH 7.0; 0.2 um filter sterilized State: Azide Free State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Thiophilic Adsorption-Affinity Chromatography and Size-Exclusion Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! Should this product contain a precipitate we recommend microcentrifugation before use.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD59 molecule
Database Link:	Entrez Gene 966 Human P13987



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Background:

CD59 (Protectin) is a small (18-20 kDa) GPI-anchored ubiquitously expressed inhibitor of the membrane attack complex (MAC). It is thus the key regulator that preserves the autologous cells from terminal effector mechanism of the complement cascade. CD59 associates with C5b-8 complex and thereby counteracts appropriate formation of cytolytic pore within the plasma membrane. CD59 is also an low-affinity ligand of human CD2 and causes T cell costimulation.

Synonyms:

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