

Product datasheet for **SM1145PS**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-43
Applications:	FC, IHC, IP
Recommended Dilution:	Flow cytometry: Recommended dilution: 0.5-4 µg/ml. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; positive tissue: placenta.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Thymocytes and T lymphocytes.
Specificity:	The antibody reacts with well defined epitope (W40, R-53) on CD59 (Protectin), an 18-20 kDa glycosylphosphatidylinositol (GPI)-anchored glycoprotein expressed on all hematopoietic cells; it is widely present on cells in all tissues.
Formulation:	PBS, pH~7.4 State: Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD59 molecule
Database Link:	Entrez Gene 966 Human P13987



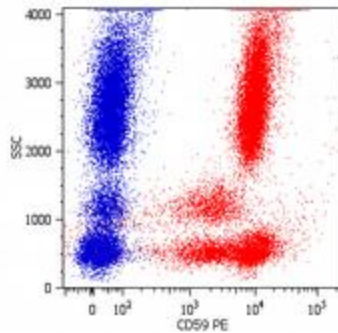
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Background:

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

Product images:

Surface staining of Human peripheral blood cells with anti-Human CD59 antibody (MEM-43) PE.