anti-human CD59 no azide

Monoclonal Antibody MEM-43 to human CD59

Cat-No: **21270590**   100 µg in 100 µl

Clone: MEM-43

Specificity: The antibody MEM-43 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.
HLDA IV; WS Code NL 705 / HLDA V; WS Code AS S013 / HLDA V; WS Code BP BP345 / HLDA V; WS Code T T-103.

Isotype subclass: Mouse IgG2a

Form: Purified by protein-A affinity chromatography.

Purity: > 98% (by SDS-PAGE)

Physical state: Liquid

Buffer/Additives/Preservative: Sterile PBS (pH 7.2).

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Aliquot and store at -20°C. Avoid freeze/thaw cycles. Should be handled under aseptic conditions.

Application: functional application

References:
- *Meri S and others: 1990 Sep;71(1):1-9.
- *Rooney IA and others: 1991 Feb;83(2):251-6.
- *Menu E and others: 1994 Sep 15;153(6):2444-56.
- *Baalasubramanian S and others: 2004 Sep 15;173(6):3684-92.

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.

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