

anti-human CD59 PE-conjugated

PE -conjugated monoclonal antibody MEM-43 to human CD59

Cat-No: **21270594**

500 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: Mouse IgG2a

Form: The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.2)

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

Storage conditions: Store at 4 °C. Avoid prolonged exposure to light.

Application: The reagent is designed for Flow Cytometry analysis of human blood cells.

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 a low-affinity ligand of human CD2 and causes T cell costimulation.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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