

anti-human CD59 APC-conjugated

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.

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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| Clone: | MEM-43 |
| Isotype: | Mouse IgG2a |
| Physical state: | Liquid for direct use |
| Form: | purified antibody conjugated with cross-linked Allophycocyanin (APC) |
| Buffer: | PBS containing 1% BSA and 0.1% sodium azide (pH 7.4) |
| Storage: | Store at 4 °C. Do not freeze. Avoid prolonged exposure to light. |
| Application: | Flow Cytometry |
| Reference: | Leucocyte Typing V. Schlossman S. et al. (Eds.), Oxford University Press (1995) Cebebauer M et al., Biochem. Biophys. Res. Commun. 234, 706 (1998) |
| Quantity: | 1.0 ml |
| Order N°: | H12198A |

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).

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