



11-234-C025

Monoclonal Antibody to CD59 Purified Antibody (0.025 mg)

Clone:	MEM-43/5
Isotype:	Mouse IgG2b
Specificity:	The antibody MEM-43/5 reacts with well defined epitope (around L33) on CD59 (Protectin), a 18-20 kDa glycosylphosphatidylinositol (GPI)-anchored glycoprotein expressed on all hematopoietic cells; it is widely present on cells in all tissues. The MEM-43/5 does not compete with most other CD59 antibodies. HLDA V; WS Code AS S012
Regulatory Status:	RUO
Immunogen:	Thymocytes and T lymphocytes
Species Reactivity:	Human, Mouse
Application:	Western Blotting Recommended dilution: 1-2 µg/ml Positive control: mouse spleen Application note: Non-reducing conditions. Flow Cytometry Recommended dilution: 1 µg/ml Positive control: blood Immunoprecipitation Immunohistochemistry (paraffin sections) Recommended dilution: 5 µg/ml
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
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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**Antibodies****References:**

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