

Technical Data Sheet

Product	Anti-Hu CD59 Pacific Blue™	
Cat. Number/Size	PB-233-T025	25 tests
	PB-233-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	

Antigen	CD59
Clone	MEM-43
Format	Pacific Blue™
Reactivity	Human
Application	FC (QC tested)
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Excitation laser	violet (405 nm)
Isotype	Mouse IgG2a
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 the surface of all hematopoietic cells; it is widely present on cells in all tissues. This antibody does not compete with MEM-43/5, and has blocking activity.
Other names	MACIF, MAC-IP, protectin, MIRL, HRF-20, HRF20, 1F5, MIN
Workshop	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
Immunogen	Thymocytes and T lymphocytes
Entrez Gene ID	966
Gene name	CD59
NCBI Full Gene Name	CD59 molecule
UniProt ID	P13987

Preparation	Purified antibody is conjugated with Pacific Blue™ NHS ester under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Formulation	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage and handling	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Images and References www.exbio.cz

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