



	Technical Data Sheet	
Product	Anti-Hu CD45 Pacific Blue™	
Cat. Number/Size	PB-222-T025	25 tests
	PB-222-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD45	
Clone	MEM-28	
Format	Pacific Blue™	
Reactivity	Human	
Negative species	Horse	
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 IgG1	
Specificity	The antibody MEM-28 reacts with an extracellular epitope on all alternative forms of human CD45 antigen (Leukocyte Common Antigen), a 180-220 kDa single chain type I transmembrane protein expressed at high level on all cells of hematopoietic origin, except erythrocytes and platelets.	
Other names	LCA, T200, LY5, B220, GP180, TPC	
Workshop	HLDA III: WS Code NL 833a	
Immunogen	Human thymocytes and T lymphocytes.	
Entrez Gene ID	5788	
Gene name	PTPRC	
NCBI Full Gene Name	protein tyrosine phosphatase receptor type C	
UniProt ID	P08575	
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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