



	Technical Data Sheet	
Product	Anti-Hu CD45 Pacific Blue™	
Cat. Number/Size	PB-684-T025	25 tests
	PB-684-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD45	
Clone	HI30	
Format	Pacific Blue™	
Reactivity	Human, Non-human primates	
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 kappa	
Specificity	The mouse monoclonal antibody HI30 recognizes an extracellular epitope on all isoforms 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 IV: WS Code N816	
Immunogen	human peripheral blood leukocytes	
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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