



	Technical Data Sheet	
Product	Anti-Hu CD64 Pacific Blue™	
Cat. Number/Size	PB-644-T025	25 tests
	PB-644-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD64	
Clone	10.1	
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 10.1 recognizes an extracellular epitope on CD64/FcγRI, a 72 kDa single chain type I glycoprotein, that is expressed on monocytes/macrophages, dendritic cells, and activated granulocytes. The epitope is sensitive to formalin fixation.	
Other names	FcRI, IGFR1, FcγR1A	
Workshop	HLDA III: WS Code M-250	
Immunogen	Rheumatoid synovial fluid cells and fibronectin purified human monocytes	
Entrez Gene ID	2209	
Gene name	FCGR1A	
NCBI Full Gene Name	Fc fragment of IgG receptor Ia	
UniProt ID	P12314	
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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