

Technical Data Sheet

Product	Anti-Hu CD64 PE-Cy™7	
Cat. Number/Size	T7-644-T025	25 tests
	T7-644-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	

Antigen	CD64
Clone	10.1
Format	PE-Cy™7
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	blue (488 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 activated tandem dye of R-phycoerythrin-cyanine 7 (PE-Cy™7) 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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