

Technical Data Sheet

Product

**Anti-Hu CD64 FITC**

Cat. Number/Size

**1F-644-T025**

**25 tests**

**1F-644-T100**

**100 tests**

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

Antigen	CD64
Clone	10.1
Format	FITC
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 <sup>6</sup> 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 fluorescein isothiocyanate (FITC) 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](http://www.exbio.cz)

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