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## 30-2298: PE Conjugated, Anti-CD64 / FcgammaRI Monoclonal Antibody (Clone:10.1)

Clonality: Monoclonal

Clone Name: 10.1
Application: FACS
Reactivity: Human
Conjugate: PE
Gene: FCGR1A
Gene ID: 2209
Uniprot ID: P12314

**Alternative Name :** FCGR1A,FCG1,FCGR1,IGFR1

**Isotype:** Mouse IgG1

Immunogen Information: Rheumatoid synovial fluid cells and fibronectin purified human monocytes

## **Description**

CD64 (FcgammaRI) is a cell surface receptor for Fc region of IgG. It is composed of specific ligand binding alpha subunit and promiscuous gamma subunit, which is indispensable for tyrosine-based signaling. However, even the alpha subunit can transduce signals leading to cellular effector functions. The isoform FcgammaRIa1 binds human IgG with high affinity, has limited myeloid cell distribution, and a relatively large intracellular domain. Products of related genes include FcgammaRIb and FcgammaRIc isoforms, but these specify low affinity IgG receptors if functionally expressed at all. Besides a role in antigen clearance, FcgammaRI (a1) can potently enhance MHC class I and II antigen presentation in vitro and in vivo.

## **Product Info**

Amount: 100 tests

**Storage condition:** Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

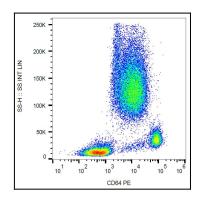


Figure 1: Surface staining of CD64 in human peripheral blood with anti-CD64 (10.1) PF