

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

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| 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

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| Amount : | 100 tests |
| Storage condition : | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |

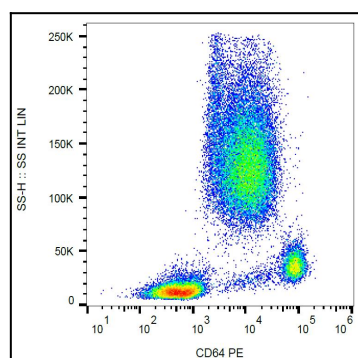


Figure 1: Surface staining of CD64 in human peripheral blood with anti-CD64 (10.1) PE.