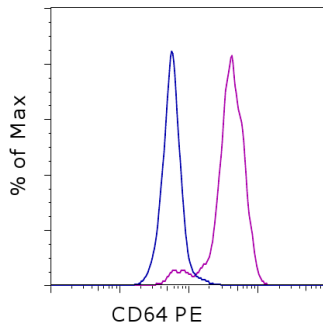


## Anti-Human CD64 (Fc gamma Receptor 1) PE

**Catalog Number:** 12-0649

**Also known as:** FcγR1

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE (cat. 12-4714) (blue histogram) or Anti-Human CD64 (Fc gamma Receptor 1) PE (purple histogram). Cells in the monocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD64 (Fc gamma Receptor 1) PE

**REF** **Catalog Number:** 12-0649

**Clone:** 10.1

**Concentration:** 5  $\mu$ L (0.25  $\mu$ g)/test

**Host/Isotype:** Mouse IgG1, kappa

**HLDA Workshop:** III M-250

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**



### Description

The 10.1 monoclonal antibody reacts with human CD64 (FcRI), a 75 kDa type I transmembrane protein. CD64 is the high affinity receptor for IgG and is involved in antibody-dependent cell-mediated cytotoxicity (ADCC), phagocytosis, and regulation of cytokine production. Monocytes and macrophages express CD64, while mature granulocytes and lymphocytes are negative.

### Applications Reported

The 10.1 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 10.1 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5  $\mu$ L (0.25  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

Kishimoto, T., A.E.G., von dem Borne, et al. eds. (1998). Leucocyte Typing VI: White Cell Differentiation Antigens. Garland Publishing Inc. London.

Schlossman, S., L. Bloumsell, et al. eds (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

McMichael, A.J., P.C.L. Beverly, et al. eds. (1987). Leucocyte Typing III: White Cell Differentiation Antigens. Oxford University Press. New York.

### Related Products

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)

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