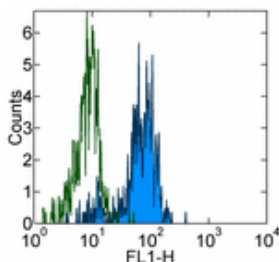


Anti-Human CD64 (Fc gamma Receptor 1) Purified

Catalog Number: 14-0649

Also Known As: Fc gamma R1, Fc gamma R1, FcR1

RUO: For Research Use Only



Staining of normal human peripheral blood cells with 0.5 µg of Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (open histogram) or 0.5 µg of Anti-Human CD64 Purified (filled histogram) followed by Anti-Mouse IgG FITC (cat. 11-4011). Cells in the monocyte gate were used for analysis.

Product Information

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

REF Catalog Number: 14-0649


Clone: 10.1

Concentration: 0.5 mg/ml


Host/Isotype: Mouse IgG1, κ


HLDA Workshop: III M-250

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

 Temperature Limitation: Store at 2-8°C.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains 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, and immunohistochemical staining of frozen tissue sections.

Applications Tested

The 10.1 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

McMichael, A.J., P.C.L. Beverly, et al. eds. (1987). *Leucocyte Typing III: White Cell Differentiation Antigens*. Oxford University Press. New York.
 Schlossman, S., L. Bloumsell, et al. eds (1995). *Leucocyte Typing V: White Cell Differentiation Antigens*. Oxford University Press. New York.
 Kishimoto, T., A.E.G., von dem Borne, et al. eds. (1998). *Leucocyte Typing VI: White Cell Differentiation Antigens*. Garland Publishing Inc. London.

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified

17-4317 Streptavidin APC

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