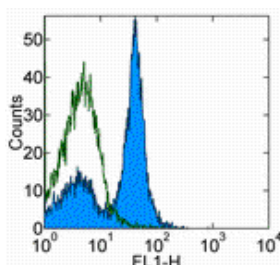


Anti-Mouse CD16/CD32 Purified

Catalog Number: 14-0161

Also Known As: FCGR3, IGFR3; FCGR2, IGFR2; FC Receptor Block

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



Staining of BALB/c splenocytes with 0.25 μ g Purified Rat IgG2a Isotype Control Purified (cat. 14-4321) (open histogram) or 0.25 μ g Anti-Mouse CD16/32 Purified (filled histogram) followed by Anti-Rat IgG FITC (cat. 11-4811). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD16/CD32 Purified

REF **Catalog Number:** 14-0161

Clone: 93

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2a, lambda

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



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The 93 monoclonal antibody reacts with an epitope shared by mouse CD16 and CD32. CD16 (Fc gamma III Receptor) and CD32 (Fc gamma II Receptor) are the low affinity receptors for the mouse IgG Fc portion and are expressed by B cells, monocyte/macrophages, NK cells, and neutrophils.

Applications Reported

The 93 antibody has been reported for use in flow cytometric analysis. 93 has also been reported in blocking of Fc-mediated reactions in functional studies. For blocking of Fc receptors in flow cytometric analysis, pre-incubate the cells with 0.5-1 μ g of purified anti-CD16/CD32 per million cells for 5-10 minutes on ice prior to staining. (Please use Functional Grade purified 93, cat. 16-0161, in functional assays.)

Applications Tested

The 93 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 0.5 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Oliver, A. M., J. C. Grimaldi, et al. Independently ligating CD38 and Fc gammaRIIB relays a dominant negative signal to B cells. 1999. Hybridoma 18(2): 113-9.

Related Products

11-4811 Anti-Rat IgG FITC

14-4321 Rat IgG2a K Isotype Control Purified (eBR2a)

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com