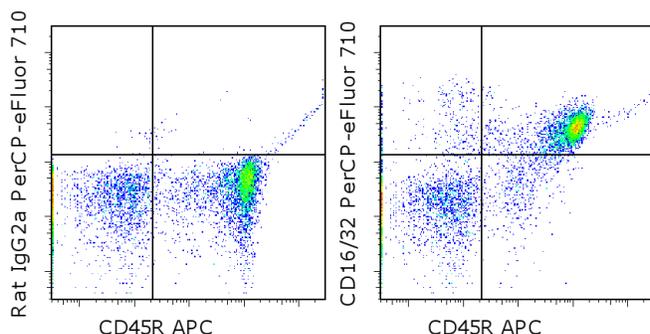


## Anti-Mouse CD16/CD32 PerCP-eFluor<sup>®</sup> 710

**Catalog Number:** 46-0161

**Also known as:** FCGR3, IGFR3; FCGR2, IGFR2; FC Receptor Block

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



Staining of C57BL/6 splenocytes with Anti-Mouse CD45RB APC (cat. 17-0455) and 0.125  $\mu$ g of Rat IgG2a K Isotype Control PerCP-eFluor<sup>®</sup> 710 (cat. 46-4321) (left) or 0.06  $\mu$ g of Anti-Mouse CD16/CD32 PerCP-eFluor<sup>®</sup> 710 (right). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD16/CD32 PerCP-eFluor<sup>®</sup> 710

**REF** **Catalog Number:** 46-0161

**Clone:** 93

**Concentration:** 0.2 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. Do not freeze. Light sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium 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

This 93 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 93 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125  $\mu$ 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**PerCP-eFluor<sup>®</sup> 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor<sup>®</sup> 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.**

**Fixation:** Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100  $\mu$ L cell sample + 100  $\mu$ L IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

### 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.

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### **Related Products**

17-0455 Anti-Mouse CD45RB APC (C363.16A)

46-4321 Rat IgG2a K Isotype Control PerCP-eFluor<sup>®</sup> 710 (eBR2a)

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