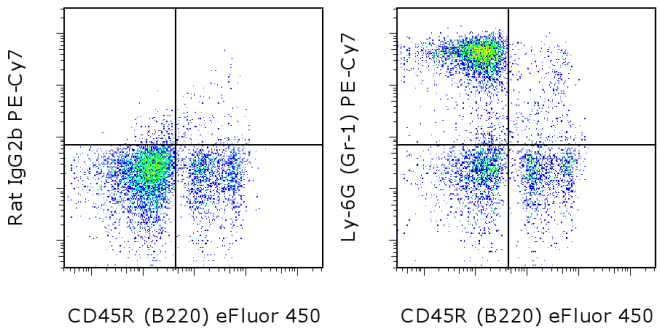
Anti-Mouse Ly-6G (Gr-1) PE-Cy7

Catalog Number: 25-5931
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57BL/6 bone marrow cells with Anti-Human/Mouse CD45R (B220) eFluor® 450 (cat. 48-0452) and 0.125 ug of Rat IgG2a K Isotype Control PE-Cy7 (cat. 25-4321) (left) or 0.125 ug of Anti-Mouse Ly-6G (Gr-1) PE-Cy7 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse Ly-6G (Gr-1) PE-Cy7
REF **Catalog Number:** 25-5931
Clone: RB6-8C5
Concentration: 0.2 mg/mL
Host/Isotype: Rat IgG2b, kappa

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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial
Contains sodium azide

Description

The RB6-8C5 monoclonal antibody reacts with mouse Ly-6G, a 21-25 kDa protein also known as the myeloid differentiation antigen Gr-1. A GPI-linked protein, Gr-1 is expressed by the myeloid lineage in a developmentally regulated manner in the bone marrow. While monocytes only express Gr-1 transiently during their bone marrow development, the expression of Gr-1 on bone marrow granulocytes as well as on peripheral neutrophils is a good marker for these populations.

Blocking studies with Ly-6C (clone HK1.4) or RB6-8C5 show no effect against staining with the other clone thereby suggesting that RB6-8C5 does not recognize Ly-6C in resting bone marrow or splenocytes.

Applications Reported

This RB6-8C5 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This RB6-8C5 antibody has been tested by flow cytometric analysis of mouse bone marrow cells and splenocyte suspensions. This can be used at less than or equal to 0.125 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL 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

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after fixation can be made, but clone specific performance should be determined empirically.

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Related Products

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