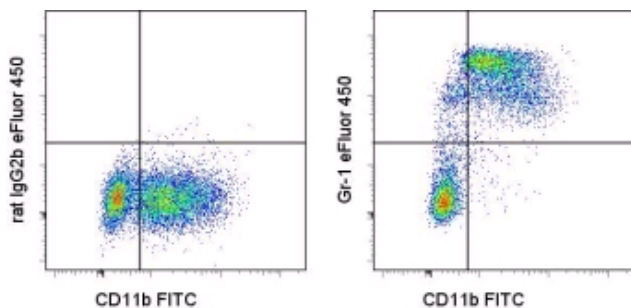


Anti-Mouse Ly-6G (Gr-1) eFluor® 450 (Pacific Blue® replacement)

Catalog Number: 48-5931

Also Known As: Gr1, Ly6G

RUO: For Research Use Only



Staining of C57BL/6 bone marrow cells with Anti-Mouse CD11b FITC (cat. 11-0112) and 0.03 µg of Rat IgG2b κ Isotype Control eFluor® 450 (cat. 48-4031) (left) or 0.03 µg of Anti-Mouse Ly-6G (Gr-1) eFluor® 450 (right). Total cells were used for analysis.

Product Information

Contents: Anti-Mouse Ly-6G (Gr-1) eFluor® 450 (Pacific Blue® replacement)

REF Catalog Number: 48-5931

Clone: RB6-8C5

Concentration: 0.2 mg/ml

Host/Isotype: Rat IgG2b, κ

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.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains 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 cat. 17-5932) 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.

eFluor® 450 is a replacement for Pacific Blue®. eFluor® 450 emits at 456 nm and is excited with the Violet laser. Please make sure that your instrument is capable of detecting this fluorochrome.

Applications Tested

This RB6-8C5 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This can be used at less than or equal to 0.06 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.

eFluor™ 450 is a replacement for Pacific Blue®. eFluor™ 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

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Related Products

11-0112 Anti-Mouse CD11b FITC (M1/70)

48-4031 Rat IgG2b K Isotype Control eFluor® 450 (Pacific Blue® replacement)

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