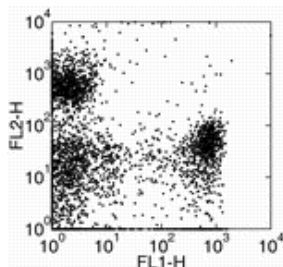


Anti-Mouse Ly-6G (Gr-1) Functional Grade Purified

Catalog Number: 16-5931

RUO: For Research Use Only



Staining of mouse bone marrow with Anti-Human/Mouse CD45R (B220) PE (cat. 12-0452) and Anti-Mouse Ly-6G (Gr-1) FITC. Total viable cells were used for analysis

Product Information

Contents: Anti-Mouse Ly-6G (Gr-1) Functional Grade Purified

REF **Catalog Number:** 16-5931

Clone: RB6-8C5


Concentration: 1 mg/ml

Host/Isotype: Rat IgG2b, κ

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ μ g antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

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

Applications Reported

The RB6-8C5 antibody has been reported for use in flow cytometric analysis. It has also been reported in cell depletion.

Applications Tested

The 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 0.5 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

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Related Products

11-4317 Streptavidin FITC

11-4811 Anti-Rat IgG FITC

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)

16-4031 Rat IgG2b K Isotype Control Functional Grade Purified

17-4317 Streptavidin APC

