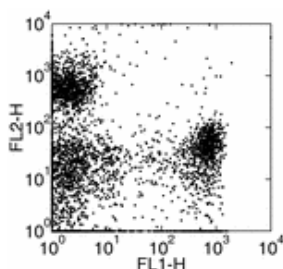


## Anti-Mouse Ly-6G (Gr-1) Purified

Catalog Number: 14-5931

Also Known As: Gr1, Ly6G

RUO: For Research Use Only



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

### Product Information

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

**REF** Catalog Number: 14-5931

Clone: RB6-8C5

Concentration: 0.5 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.



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) 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

The RB6-8C5 antibody has been reported for use in flow cytometric analysis, immunoprecipitation, immunoblotting (WB), and immunohistochemical staining. It has also been reported in cell depletion. (Please use Functional Grade purified RB6-8C5, cat. 16-5931, in functional assays.)

### 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  $\mu$ 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.

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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)

14-4031 Rat IgG2b K Isotype Control Purified

17-4317 Streptavidin APC

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