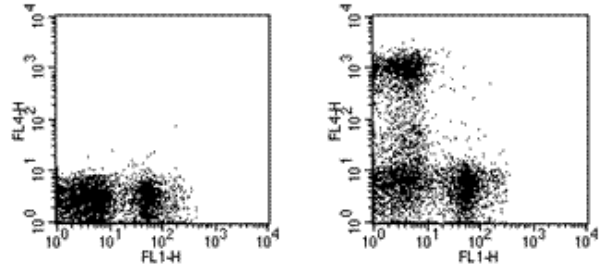


Product Information

Contents: Cy5 anti-mouse Ly-6G (Gr-1, Gr1)
Catalog Number: 19-5931
Sizes: 50 ug, 100 ug, 200 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
DO NOT FREEZE.
LIGHT-SENSITIVE MATERIAL.
Clone: RB6-8C5
Isotype: Rat IgG2b, κ



Staining of mouse bone marrow cells with FITC anti-CD45R/B220 (cat. 11-0452) alone (left) or with 0.06 µg of Cy5 RB6-8C5 (right). Total viable cells were used for analysis.

Available Formats of This Product				
Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-5931	FITC anti-mouse Ly-6G (Gr-1, Gr1)	488	518	FC
12-5931	PE anti-mouse Ly-6G (Gr-1, Gr1)	488	575	FC
13-5931	Biotin anti-mouse Ly-6G (Gr-1, Gr1)	N/A	N/A	FC
14-5931	Affinity Purified anti-mouse Ly-6G (Gr-1, Gr1)	N/A	N/A	FA FC IHC IP WB
15-5931	PE-Cy5 anti-mouse Ly-6G (Gr-1, Gr1)	488	670	FC
16-5931	Functional Grade* Purified anti-mouse Ly-6G (Gr-1, Gr1)	N/A	N/A	FA FC
17-5931	Allophycocyanin (APC) anti-mouse Ly-6G (Gr-1, Gr1)	633	660	FC
19-5931	Cy5 anti-mouse Ly-6G (Gr-1, Gr1)	633	670	FC
25-5931	PE-Cy7 anti-mouse Ly-6G (Gr-1, Gr1)	488	760	FC
35-5931	Phycoerythrin-Cy5.5 (PE-Cy5.5) anti-mouse Ly-6G (Gr-1, Gr1)	488	690	FC

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/µg.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

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.

Usage

For research use only, not for diagnostic or therapeutic use. The RB6-8C5 antibody has been reported for use in flow cytometric analysis.

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 0.125 µg per million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 11-5931 FITC anti-mouse Ly-6G (Gr-1, Gr1) (clone RB6-8C5)
Cat. 12-5931 PE anti-mouse Ly-6G (Gr-1, Gr1) (clone RB6-8C5)
Cat. 13-5931 Biotin anti-mouse Ly-6G (Gr-1, Gr1) (clone RB6-8C5)
Cat. 14-5931 Affinity Purified anti-mouse Ly-6G (Gr-1, Gr1) (clone RB6-8C5)
Cat. 15-5931 PE-Cy5 anti-mouse Ly-6G (Gr-1, Gr1) (clone RB6-8C5)
Cat. 16-5931 Functional Grade Purified anti-mouse Ly-6G (Gr-1, Gr1) (clone RB6-8C5)
Cat. 17-5931 Allophycocyanin (APC) anti-mouse Ly-6G (Gr-1, Gr1) (clone RB6-8C5)
Cat. 25-5931 PE-Cy7 anti-mouse Ly-6G (Gr-1, Gr1) (clone RB6-8C5)

References

Hestdal, K., F. W. Ruscetti, et al. (1991). "Characterization and regulation of RB6-8C5 antigen expression on murine bone marrow cells." J Immunol 147(1): 22-8.

Fleming, T. J., M. L. Fleming, et al. (1993). "Selective expression of Ly-6G on myeloid lineage cells in mouse bone marrow. RB6-8C5 mAb to granulocyte-differentiation antigen (Gr-1) detects members of the Ly-6 family." J Immunol 151(5): 2399-408.

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