full spectrum cell analysis®
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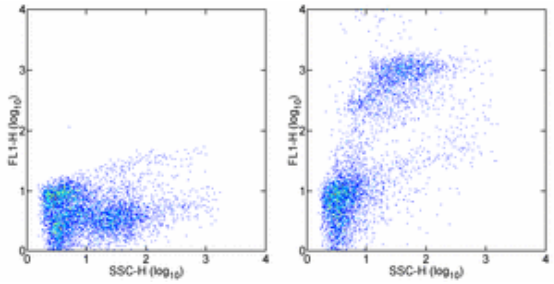
Anti-Mouse Ly-6G (Gr-1) Alexa Fluor® 488

Catalog Number: 53-5931
Also Known As:Gr1, Ly6G
RUO: For Research Use Only



Staining of C57BL/6 bone marrow cells with staining buffer (autofluorescence) (left) or 0.06 µg of Anti-Mouse Ly-6G (Gr-1) Alexa Fluor® 488 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse Ly-6G (Gr-1) Alexa Fluor® 488
REF Catalog Number: 53-5931
Clone: RB6-8C5
Concentration: 0.5 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.

Applications Tested

This RB6-8C5 antibody has been tested by flow cytometric analysis of mouse bone marrow 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.

References

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