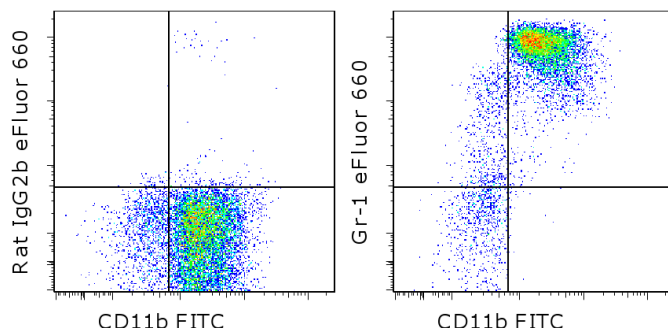


## Anti-Mouse Ly-6G (Gr-1) eFluor® 660 (Alexa Fluor® 647 Replacement)

**Catalog Number:** 50-5931

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of C57BL/6 bone marrow cells with Anti-Mouse CD11b FITC (cat. 11-0112) and 0.03 ug of Rat IgG2b K Isotype Control eFluor® 660 (cat. 50-4031) (left) or 0.03 ug of Anti-Mouse Ly-6G (Gr-1) eFluor® 660 (right). Cells in the large scatter population were used for analysis.

### Product Information



**Contents:** Anti-Mouse Ly-6G (Gr-1) eFluor® 660 (Alexa Fluor® 647 Replacement)  
**Catalog Number:** 50-5931  
**Clone:** RB6-8C5  
**Concentration:** 0.2 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. Do not freeze. Light sensitive material.



**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 cat. 17-5932) 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

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 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.**

### References

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Huang B, Zhao J, Shen S, Li H, He KL, Shen GX, Mayer L, Unkeless J, Li D, Yuan Y, Zhang GM, Xiong H, Feng ZH.

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## **Anti-Mouse Ly-6G (Gr-1) eFluor® 660 (Alexa Fluor® 647 Replacement)**

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Listeria monocytogenes promotes tumor growth via tumor cell toll-like receptor 2 signaling. Cancer Res. 2007 May 1;67(9):4346-52. (**RB6-8C5**, in vivo depletion, PubMed)

Fan J, Li Y, Vodovotz Y, Billiar TR, Wilson MA. Hemorrhagic shock-activated neutrophils augment TLR4 signaling-induced TLR2 upregulation in alveolar macrophages: role in hemorrhage-primed lung inflammation. Am J Physiol Lung Cell Mol Physiol. 2006 Apr;290(4):L738-L746. (**RB6-8C5**, in vivo depletion, PubMed)

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Hestdal K, Ruscetti FW, Ihle JN, Jacobsen SE, Dubois CM, Kopp WC, Longo DL, Keller JR. Characterization and regulation of RB6-8C5 antigen expression on murine bone marrow cells. J Immunol. 1991 Jul 1;147(1):22-8.

### **Related Products**

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

50-4031 Rat IgG2b Isotype Control eFluor® 660