

## Product datasheet

# violetFluor™ 450 Anti-Ly6g antibody [RB6-8C5] ab253070

[1 Image](#)

### Overview

<b>Product name</b>	violetFluor™ 450 Anti-Ly6g antibody [RB6-8C5]
<b>Description</b>	violetFluor™ 450 Rat monoclonal [RB6-8C5] to Ly6g
<b>Host species</b>	Rat
<b>Conjugation</b>	violetFluor™ 450. Ex: 405nm, Em: 450nm
<b>Specificity</b>	In the mouse, the RB6-8C5 antibody is typically used in combination with the macrophage labeling antibody M1/70 (Anti-CD11b) for phenotypic analysis of monocytes, macrophages and granulocytes. Note: The RB6-8C5 antibody has been reported to cross-react with Ly-6C on cells expressing this antigen (Fleming et al. 1993. J. Immunol. 151:2399-2408 and Sasmono et al. 2007. J. Leukoc. Biol. 82: 111-123) and has been cited in the literature for identification of Ly-6G/Ly-6C. Other reports suggest that this antibody is specific for Ly-6G, without cross-reactivity for Ly-6C (Nagendra S. and Schlueter AJ. 2003. Cytometry A, 58(2): 195-200.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	The details of the immunogen for this antibody are not available.
<b>Positive control</b>	Flow cyt: Mouse C57Bl/6 bone marrow cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Store In the Dark.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.16% Sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin</p>

<b>Purity</b>	Affinity purified
<b>Purification notes</b>	Purified from tissue culture supernatant. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	RB6-8C5
<b>Isotype</b>	IgG2b
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab253070 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

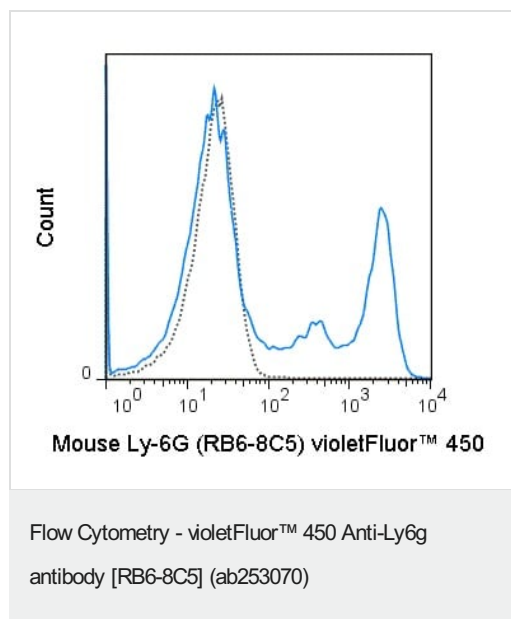
Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. Use at 0.06 µg per reaction.

## Target

**Relevance** Ly6G is a GPI-anchored protein, that is also known as the myeloid differentiation antigen Gr1. The antigen is transiently expressed on monocytes in the bone marrow. The level of antigen expression in the bone marrow directly correlates with granulocyte differentiation and maturation. Ly6G is expressed predominantly on neutrophils, also in a subset of eosinophils, differentiating pre-monocytes, and plasmacytoid dendritic cells.

**Cellular localization** Attached to the membrane by a GPI-anchor.

## Images



Flow cytometric analysis of mouse C57Bl/6 bone marrow cells stained for Ly6g using ab253070 at 0.06 µg per reaction (blue) or a rat IgG2b violetFluor™ 450 isotype control (black dashed line).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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