

Product datasheet

redFluor™ 710 Anti-Ly6g antibody [RB6-8C5] ab242065

[2 Images](#)

Overview

Product name	redFluor™ 710 Anti-Ly6g antibody [RB6-8C5]
Description	redFluor™ 710 Rat monoclonal [RB6-8C5] to Ly6g
Host species	Rat
Conjugation	redFluor™ 710
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	The details of the immunogen for this antibody are not available.
Positive control	Flow Cyt: C57Bl/6 bone marrow cells.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.12% Monobasic dihydrogen sodium phosphate, 0.87% Sodium chloride
Purity	Affinity purified
Purification notes	Purified from TCS.
Clonality	Monoclonal
Clone number	RB6-8C5
Isotype	IgG2b
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab242065 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. The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

Target

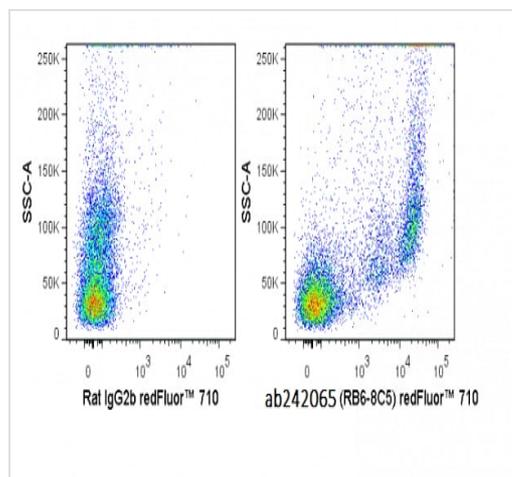
Relevance

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

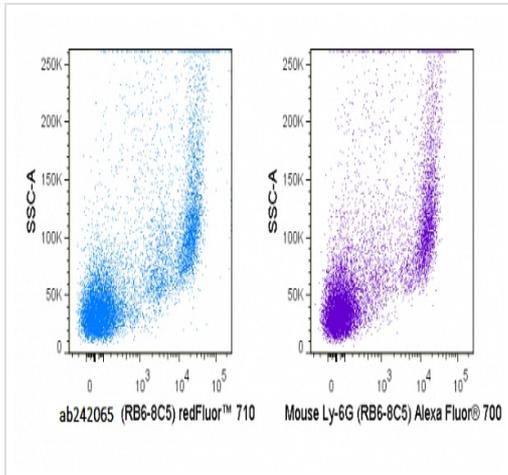
Attached to the membrane by a GPI-anchor.

Images



Flow cytometric analysis of C57Bl/6 bone marrow cells labeling Ly6g with 0.015 µg ab242065 (right panel) compared with a rat Isotype control (left panel).

Flow Cytometry - redFluor™ 710 Anti-Ly6g antibody
[RB6-8C5] (ab242065)



Flow cytometric analysis of C57Bl/6 bone marrow cells labeling Ly6g with 0.015 µg ab242065 (left panel) compared with an AlexaFluor® 700-conjugated version of the same antibody clone (right panel).

Flow Cytometry - redFluor™ 710 Anti-Ly6g antibody [RB6-8C5] (ab242065)

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

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