

Ly-6G/Ly-6C Monoclonal Antibody (RB6-8C5), PerCP-eFluor 710, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), PerCP-eFluor 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	RB6-8C5
Conjugate	PerCP-eFluor™ 710
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2848343

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	62 Publications

Product Specific Information

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.

eBioscience testing indicates that in the bone marrow and lysed whole blood, the antibody clone RB6-8C5 also stains cells that express the highest levels of Ly6c (as defined by staining with antibody clone HK1.4). It is recommended that 1A8-Ly6G (cat. 9668) be used when looking at Ly-6G specific targets.

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 may be used at less than or equal to 0.25 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

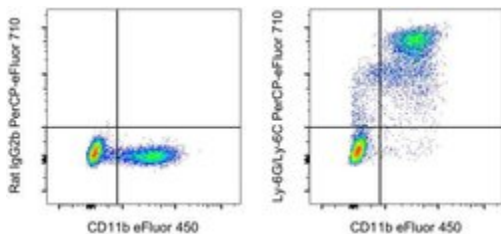
PerCP-eFluor 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 μ L of cell sample + 100 μ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser

Product Images For Ly-6G/Ly-6C Monoclonal Antibody (RB6-8C5), PerCP-eFluor 710, eBioscience™



Ly-6G/Ly-6C Antibody (46-5931-82) in Flow

C57BL/6 mouse bone marrow cells were stained with CD11b Monoclonal Antibody, eFluor 450 (Product # 48-0112-82) and 0.125 μ g of Rat IgG2b kappa Isotype Control, PerCP-eFluor 710 (Product # 46-4031-82) (left) or 0.125 μ g of Ly-6G/Ly-6C Monoclonal Antibody, PerCP-eFluor 710 (right). Cells in the myeloid gate were used for analysis.

[View more figures on thermofisher.com](#)

62 References

Flow Cytometry (62)

Frontiers in immunology

Bacterial and Fungal Toll-Like Receptor Activation Elicits Type I IFN Responses in Mast Cells.

"Published figure using Ly-6G/Ly-6C monoclonal antibody (Product # 46-5931-82) in Flow Cytometry"

Authors: Kornstädt L, Pierre S, Weigert A, Ebersberger S, Schäuferle T, Kolbinger A, Schmid T, Cohnen J, Thomas D, Ferreirós N, Brüne B, Ebersberger I, Scholich K

Species
Not Applicable

Dilution
Not Cited

Year
2021

BioMed research international

Effects of Hypertonic Saline and Hydroxyethyl Starch on Myeloid-Derived Suppressor Cells in Hemorrhagic Shock Mice under Secondary Bacterial Attack.

"Published figure using Ly-6G/Ly-6C monoclonal antibody (Product # 46-5931-82) in Flow Cytometry"

Authors: Jiang JK, Hong LJ, Lu YQ

Species
Not Applicable

Dilution
Not Cited

Year
2020

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