

Ly-6G/Ly-6C Monoclonal Antibody (RB6-8C5), Alexa Fluor 561, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Alexa Fluor 561, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	RB6-8C5
Conjugate	Alexa Fluor® 561
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!

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1.0 µg/test	-

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.

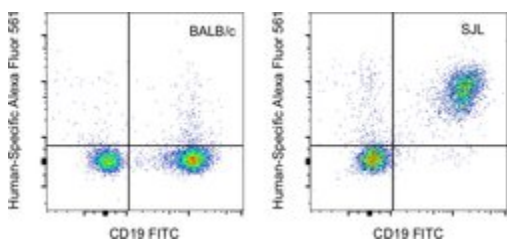
Our internal testing shows that Alexa Fluor 561 non-specifically stains B cells in Swiss Webster and SJL mice. Non-specific staining has not been observed in BALB/c or C57BL/6 mice. Other strains have not been tested. See the Antibody Testing Data for an example of this strain-dependent difference.

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 1.0 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.

Alexa Fluor 561 emits at 575 nm and is intended for use on spectral cytometers where it may be multiplexed with both PE and PE-eFluor 610.

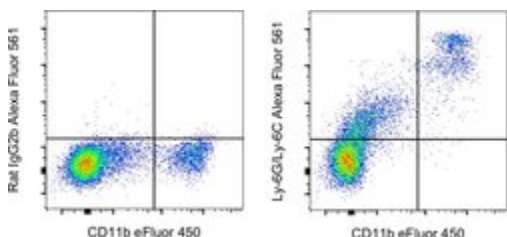
Excitation: 558 nm; Emission: 575 nm; Laser: Yellow-Green Laser

Product Images For Ly-6G/Ly-6C Monoclonal Antibody (RB6-8C5), Alexa Fluor 561, eBioscience™



Ly-6G/Ly-6C Antibody (505-5931-82) in Flow

Alexa Fluor 561 non-specific staining of B cells in the SJL strain of mice. Splenocytes from BALB/c (left) and SJL (right) strains of mice were stained with Anti-Mouse CD19 Monoclonal Antibody conjugated to FITC and a non-cross-reactive, human-specific monoclonal antibody conjugated to Alexa Fluor 561. These data show that Alexa Fluor 561-conjugated antibodies non-specifically stain B cells in SJL mice (right) and outbred, Swiss Webster mice (data not shown). Non-specific staining has not been observed in BALB/c mice (left) and C57BL/6 mice (data not shown).



Ly-6G/Ly-6C Antibody (505-5931-82) in Flow

C57BL/6 mouse bone marrow cells were stained with CD11b Monoclonal Antibody, eFluor 450 (Product # 48-0112-82) and 0.5 µg of Rat IgG2b kappa Isotype Control, Alexa Fluor 561 (Product # 505-4031-81) (left) or 0.5 µg of Ly-6G/Ly-6C Monoclonal Antibody, Alexa Fluor 561 (right). Total viable cells were used for analysis, as determined by 7-AAD (Product # 00-6993-50). This data was collected on a 5-laser Cytex Aurora full spectral cytometer.

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