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Datasheet for 200-526-L54

Ly-6G (Gr-1) Allophycocyanin Antibody

Overview

Description:	Anti-Ly-6G (Gr-1) (RAT) Allophycocyanin Conjugated Monoclonal Antibody - 200-526-L54
Item No.:	200-526-L54
Size:	100 µg
Applications:	FC
Reactivity:	Mouse
Host Species:	Rat

Product Details

Background:	The RB6-8C5 antibody binds to mouse Ly-6G, commonly known as Gr-1, a member of the Ly-6 superfamily of GPI-anchored cell surface proteins with roles in cell signaling and cell adhesion. Gr-1 is differentially expressed during development and maturation of cells in the myeloid lineage and is expression at varying stages and levels on monocytes, macrophages, granulocytes, and peripheral neutrophils. 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.
Synonyms:	Ly-6G/Ly-6C (Gr-1), RB6-8C5, Gr-1, Ly-6G, Ly-6C
Host Species:	Rat
Conjugate:	Allophycocyanine (APC)
Clonality:	Monoclonal
Clone ID:	RB6-8C5
Format:	IgG2b
F/P Ratio:	1-2

Target Details

Gene Name:	Gr-1
Reactivity:	Mouse

Immunogen:	Anti-Ly-6G (Gr-1) Antibody (Monoclonal) was produced by repeated immunizations with Ly-6G/Ly-6C (Gr-1) antigen.
Purity/Specificity:	Allophycocyanin conjugated Ly-6G (Gr-1) Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against mouse Ly-6G (Gr-1). Cross reactivity with Ly-6G (Gr-1) from other sources has not been tested. Anti-Ly-6G (Gr-1) is conjugated with APC under optimal conditions and the solution is free of unconjugated APC. Note: The RB6-8C5 antibody has been reported to cross-react with Ly-6C on cells expressing this antigen 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.
Relevant Links:	• NCBI - NP_001238984.1 • GeneID - 17067

Application Details

Tested Applications:	FC
Application Note:	Anti-Ly-6G (Gr-1) is tested for FLOW and useful for Immunohistochemistry and Immunoprecipitation using mouse spleen cells, or an appropriate cell type (where indicated). Researchers should determine optimal titers for applications that are not stated.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	10 µL/10^6 cells (0.1 µg)
IHC:	User Optimized
IP:	User Optimized

Formulation

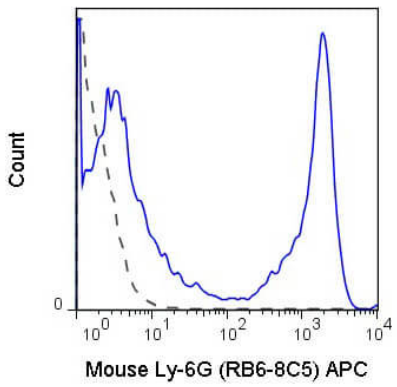
Physical State:	Liquid (sterile filtered)
Concentration:	0.2 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	0.1% Gelatin

Shipping & Handling

Shipping Condition:	Wet Ice

Storage Condition:	Store vial at 4° C prior to opening. Dilute only prior to immediate use. This product is stable at 4° C as an undiluted liquid. Use subdued lighting during handling and incubation of cells prior to analysis. Store reagent in the dark. DO NOT FREEZE.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



Flow Cytometry
Flow Cytometry of anti-Ly-6G (Gr-1) Allophycocyanin Conjugated Monoclonal Antibody. Cells: C57BL/6 bone marrow cells. Stimulation: none. Antibody: (Dotted Line) 0.125 µg Rat IgG2b APC isotype control; (Blue line) Allophycocyanin Anti-Ly-6G (Gr-1) antibody 0.125µg.

Disclaimer

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