

Datasheet for 200-508-L54

Ly-6G/Ly-6C (Gr-1) Phycoerythrin Antibody**Overview**

Description:	Anti-Ly-6G/Ly-6C (Gr-1) (RAT) Phycoerythrin Conjugated Monoclonal Antibody - 200-508-L54
Item No.:	200-508-L54
Size:	200 µg
Applications:	FC
Reactivity:	Mouse
Host Species:	Rat

Product Details

Background:	Gr-1 is a 21-25 kD protein also known as Ly-6G/Ly-6C. This myeloid differentiation antigen is a glycosylphosphatidylinositol (GPI)-linked protein expressed on granulocytes and macrophages. In bone marrow, the expression levels of Gr-1 directly correlate with granulocyte differentiation and maturation; Gr-1 is also transiently expressed on bone marrow cells in the monocyte lineage. Immature Myeloid Gr-1+ cells play a role in the development of antitumor immunity.
Synonyms:	Ly-6G/Ly-6C (Gr-1), RB6-8C5, Gr-1, Ly-6G, Ly-6C
Host Species:	Rat
Conjugate:	R-Phycoerythrin (RPE)
Clonality:	Monoclonal
Clone ID:	RB6-8C5
Format:	IgG2b
F/P Ratio:	1-2

Target Details

Gene Name:	Gr-1
Reactivity:	Mouse
Immunogen Type:	Other

Immunogen:	Anti-Ly-6G/Ly-6C (Gr-1) Antibody (Monoclonal) was produced by repeated immunizations with raised against granulocytes of mouse origin.
Purity/Specificity:	Phycoerythrin conjugated Ly-6G/Ly-6C (Gr-1) Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against mouse Ly-6G/Ly-6C (Gr-1). Cross reactivity with Ly-6G/Ly-6C (Gr-1) from other sources has not been tested. Anti-Ly-6G/Ly-6C (Gr-1) is conjugated with PE under optimal conditions and the solution is free of unconjugated PE.
Relevant Links:	<ul style="list-style-type: none">• NCBI - NP_001238984.1• GeneID - 17067

Application Details

Tested Applications:	FC
Application Note:	Anti-Ly-6G/Ly-6C (Gr-1) is tested in FLOW and useful for Immunohistochemistry and Immunoprecipitation, Western Blot 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 μ L/10 ⁶ cells (0.1 μ g)
IHC:	User Optimized
IP:	User Optimized
WB:	User Optimized

Formulation

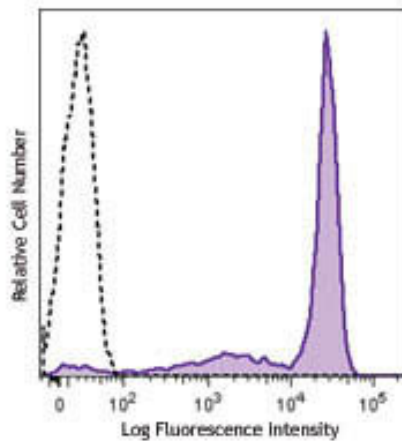
Physical State:	Liquid (sterile filtered)
Concentration:	0.2mg/mL Sufficient to run approximately 100 tests
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
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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/Ly-6C (Gr-1) Phycoerythrin Conjugated Monoclonal Antibody. Cells: C57BL/6 bone marrow cells. Stimulation: none. Antibody: (dotted line) Rat IgG2b kappa; (purple fill) Phycoerythrin Anti-Ly-6G/Ly-6C (Gr-1) antibody. Data shown was gated on myeloid cell population.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.