

## Anti-Mouse Gr-1 Antibody, Clone RB6-8C5, PerCP-Cy5.5



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## Antibodies

Rat monoclonal IgG2b antibody  
against mouse Gr-1 (Ly-6G/Ly-6C),  
PerCP-Cy5.5-conjugated

Catalog #60028PS

25 µg 0.2 mg/mL

## Product Description

The RB6-8C5 antibody reacts with the structurally related murine Ly-6G (21 - 25 kDa) and Ly-6C (14 - 16 kDa) GPI-anchored proteins, which together comprise the granulocyte receptor-1 antigen (Gr-1). Gr-1 is expressed on monocytes, neutrophils, subsets of macrophages, plasmacytoid dendritic cells, and T cells. Monocytes in the bone marrow transiently express Gr-1 during development, and the expression level is strongly correlated with granulocyte differentiation and maturation. In the periphery, Gr-1 is found predominantly on neutrophils and is a useful marker for these cells. Whereas the RB6-8C5 binds to both Ly-6G and Ly-6C, another commonly used anti-Gr-1 antibody, clone 1A8, binds specifically to Ly-6G. It has been reported that the 1A8 antibody detects Ly-6G-expressing granulocytes in peripheral blood, whereas the RB6-8C5 antibody also binds to Ly-6C-expressing lymphocytes, monocytes and dendritic cells.

Target Antigen Name:	Gr-1 (Ly-6G/Ly-6C)
Alternative Names:	Gr 1, Gr1, Ly 6G, Ly6G, Ly-6G/Ly-6C
Gene ID:	17067/546644
Species Reactivity:	Mouse
Host Species:	Rat
Clonality:	Monoclonal
Clone:	RB6-8C5
Isotype:	IgG2b, kappa
Immunogen:	Normal mouse bone marrow
Conjugate:	PerCP-Cy5.5 (Peridinin chlorophyll protein complex-Cyanine5.5)

## Applications

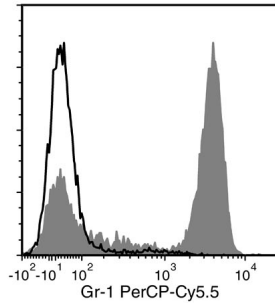
Verified:	FC
Reported:	FC
Special Applications:	This antibody clone has been verified for purity assessments of cells isolated with EasySep™ kits, including EasySep™ Mouse Neutrophil Enrichment Kit (Catalog #19762).

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

## Properties

Formulation:	Phosphate-buffered saline, pH 7.2, containing 0.09% sodium azide and 0.1% gelatin
Purification:	The antibody was purified by affinity chromatography and conjugated with PerCP-Cy5.5 under optimal conditions.
Stability and Storage:	Product stable at 2 - 8°C when stored undiluted. Do not freeze. Protect product from prolonged exposure to light. For product expiry date, contact <a href="mailto:techsupport@stemcell.com">techsupport@stemcell.com</a> .
Directions for Use:	For flow cytometry, the suggested use of this antibody is ≤ 0.06 µg per 1 x 10 <sup>6</sup> cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each application.

## Data



Flow cytometry analysis of C57BL/6 mouse splenocytes (gated on granulocytes) labeled with Anti-Mouse Gr-1 Antibody, Clone RB6-8C5, PerCP-Cy5.5 (filled histogram) or a rat IgG2b, kappa isotype control antibody, PerCP-Cy5.5 (solid line histogram).

## Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, visit [www.stemcell.com/antibodies](http://www.stemcell.com/antibodies) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

## References

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