# ARG22105
# anti-Ly6G + Ly6C antibody [RB6-8C5] (Biotin)

Package: 250 µg
Store at: 4°C

## Summary

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|---|---|
| Product Description | Biotin-conjugated Rat Monoclonal antibody [RB6-8C5] recognizes Ly6G + Ly6C |
| Tested Reactivity | Ms |
| Tested Application | Depletion, FACS, IHC-Fr |
| Specificity | This antibody recognizes the mouse Gr-1 antigen, a ~21 - 25 kDa GPI anchored cell surface protein bearing a single uPAR/Ly6 domain that belongs to the Ly-6 family of proteins (Lee et al. 2013). Clone RB6-8C5 reacts predominantly with the Ly-6G protein but weaker reactivity with the Ly-6C protein has been reported (Fleming et al. 1993). However, other observations dispute the cross-reactivity of clone RB6-8C5 with the Ly-6C protein with the alternative explanation that certain sub-populations of bone marrow cells simultaneously express both Ly-6C and Ly-6G (Nagendra et al. 2007). |
| Host | Rat |
| Clonality | Monoclonal |
| Clone | RB6-8C5 |
| Isotype | IgG2b, kappa |
| Target Name | Ly6G + Ly6C |
| Species | Mouse |
| Conjugation | Biotin |
| Alternate Names | Gr1; Gr-1; Ly-6G |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| Depletion | Assay-dependent |
| FACS | < 1 µg/10^6 cells |
| IHC-Fr | Assay-dependent |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

## Properties

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| Form | Liquid |
| Buffer | PBS and 0.1% Sodium azide. |
| Preservative | 0.1% Sodium azide |
| Concentration | 0.5 mg/ml |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

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|---|---|
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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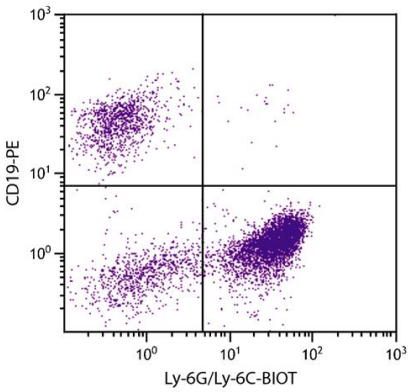
|---|---|
| Database links | GeneID: 546644 Mouse |
| Gene Symbol | Ly6g |
| Gene Full Name | lymphocyte antigen 6 complex, locus G |
| Background | Ly6G is a component of the myeloid differentiation antigen Gr-1, together with Ly6C. Ly6G is a good marker for detection of peripheral neutrophils. Expression of Gr-1 in bone marrow correlates with granulocyte differentiation and maturation. Physiological role of Ly6G remains still unclear. Its treatment with antibodies in vivo leads to neutropenia and has inhibitory effect on local immune responses. _x000D_ |
| Highlight | Related products:<br>Ly6 antibodies; Ly6 ELISA Kits; Ly6 Duos / Panels; Anti-Rat IgG secondary antibodies;<br>Related news:<br>New antibody panels and duos for Tumor immune microenvironment<br>Exploring Antiviral Immune Response<br>Anti-SerpinB9 therapy, a new strategy for cancer therapy |
| Research Area | Mouse Inflammatory Cell Marker antibody; Neurophil Marker antibody; Mouse MDSC Marker antibody; Myeloid-derived suppressor cell antibody |
| Calculated Mw | 12 kDa |

## Images




ARG22105 anti-Ly6G + Ly6C antibody [RB6-8C5] (Biotin) FACS image

Flow Cytometry: BALB/c Mouse bone marrow cells stained with ARG22105 anti-Ly6G + Ly6C antibody [RB6-8C5] (Biotin) and ARG20852 anti-CD19 antibody [6D5] (PE) followed by Streptavidin (FITC).