

# Technical Data Sheet

## FlowMAb APC anti-mouse Ly6G/Ly6C (Gr-1)



**Attention:** Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bioxcell.com/terms-and-conditions>.

### Lot Specific Information

**Lot Number:** Lot Specific\*  
**Volume:** Lot Specific\*  
**Concentration:** Lot Specific\* (generally 4 to 11 mg/ml) \*  
**Total Protein:** Lot Specific\*

\*This information will be noted on the certificate of analysis that ships with this product.

### Product Information

**Catalog Number:** FM0075-APC  
**Clone:** RB6-8C5  
**Isotype:** Rat IgG2b, κ  
**Conjugation:** APC  
**Excitation Source:** Red 627-640 nm  
**Excitation Max:** 651 nm  
**Emission Max:** 660 nm  
**Immunogen:** Mouse granulocytes  
**Reported Applications:** Flow cytometry Immunohistochemistry (paraffin) Immunohistochemistry (frozen)  
**Formulation:** PBS, pH 7.0  
Contains 0.09% Sodium Azide  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:** [AB\\_10312146](https://abnova.com/AB_10312146)

### Description

The RB6-8C5 monoclonal antibody reacts strongly with mouse Ly6G and weakly with mouse Ly6C, previously referred to as GR-1. Ly6G is a 21-25 kDa member of the Ly-6 superfamily of GPI-anchored cell surface proteins with a role in cell signaling and cell adhesion. Ly6G is expressed differentially during development by cells in the myeloid lineage, including monocytes, macrophages, granulocytes, and neutrophils. Monocytes typically express Ly6G transiently during development, while mature granulocytes and peripheral neutrophils retain expression, making Ly6G a good cell surface marker for these populations. Studies have shown that the RB6-8C5 antibody inhibits the binding of the 1A8 antibody, which specifically reacts with mouse Ly6G but not Ly6C. This allophycocyanin (APC)-conjugated version of the RB6-8C5 antibody is useful for flow cytometry, immunofluorescence, immunohistochemistry (frozen), and immunohistochemistry (paraffin) applications.

### Storage

Store at the stock concentration at 4°C and protected from prolonged exposure to light . **Do not freeze.**

### Protocol Information

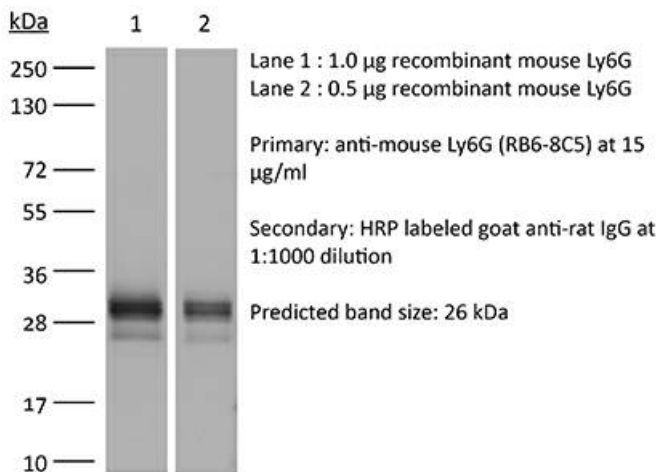
It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

### Application References

For a complete list of references, visit [https://bioxcell.com/fm0075-apc?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/fm0075-apc?bxcs=9k1b3a#tab_references) or scan the QR code below.

### Binding Validation

Validation data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, e-mail [technicalservice@bioxcell.com](mailto:technicalservice@bioxcell.com).



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