Technical Data Sheet
InVivoPlus anti-mouse Ly6G

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: BP0075-1
Clone: 1A8
Isotype: Rat IgG2a, κ
Recommended Isotype Control(s): InVivoPlus rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: EL4J cells transfected with Ly6G
Reported Applications: in vivo neutrophil depletion
in vivo MDSC depletion
Immunofluorescence
Immunohistochemistry (paraffin)
Immunohistochemistry (frozen)
Flow cytometry
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: <1EU/mg (<0.001EU/μg)
Determined by LAL gel clotting assay
Purity: >95%
Determined by SDS-PAGE
Sterility: 0.2 μm filtration
Purification: Protein G
Aggregation: <5%
Determined by SEC
RRID: AB_1107721
Molecular Weight: 150 kDa

Murine Pathogen Test Results
Mouse Norovirus: Negative, Mouse Parvovirus: Negative, Mouse Minute Virus: Negative, Mouse Hepatitis Virus: Negative,
Reovirus Screen: Negative, Lymphocytic Choriomeningitis virus: Negative, Lactate Dehydrogenase-Elevating Virus:
Negative, Mouse Rotavirus: Negative, Theiler's Murine Encephalomyelitis: Negative, Ectromelia/Mousepox Virus: Negative,
Hantavirus: Negative, Polyoma Virus: Negative, Mouse Adenovirus: Negative, Sendai Virus: Negative, Mycoplasma
Pulmonis: Negative, Pneumonia Virus of Mice: Negative, Mouse Cytomegalovirus: Negative, K Virus: Negative

Description
The 1A8 monoclonal antibody reacts with mouse Ly6G. Ly6G is a 21-25 kDa member of the Ly-6 superfamily of GPI-
anchored cell surface proteins with roles 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. Unlike the RB6-8C5 antibody, the 1A8 antibody reacts specifically with mouse Ly6G with no reported cross reactivity with Ly6C.

**Storage**

Store at the stock concentration at 4°C. **Do not freeze.** It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at https://bioxcell.com/faqs.

**Protocol Information**

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

**Application References**

For a complete list of references, visit https://bioxcell.com/catalogsearch/result/?q=BP0075-1#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 technicaleservice@bioxcell.com.

![Binding Validation Image](image)

**Bio X Cell, LLC**

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**Conditions:** For research use only. Not for use in diagnostic or therapeutic procedures.

Not for resale.

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