

# Technical Data Sheet

RecombiMAb mouse IgG2a (LALA-PG) isotype control, unknown specificity



**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: CP156  
Clone: MOPC-21-CP156  
Isotype: Mouse IgG2a,  $\kappa$   
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Mutations: LALA-PG  
Formulation: PBS, pH 7.0  
Contains no stabilizers or preservatives  
Endotoxin: <1EU/mg (<0.001EU/ $\mu$ g)  
Determined by LAL gel clotting assay  
Purity: >95%  
Determined by SDS-PAGE  
Sterility: 0.2  $\mu$ m filtration  
Production: Purified from CHO cell supernatant in an animal-free facility  
Purification: Protein G  
Aggregation: <5%  
Determined by SEC  
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 MOPC-21-CP156 monoclonal antibody is a recombinant version of the original MOPC-21 antibody. The variable domain sequences are identical to the original MOPC-21 antibody but the constant region sequences have been switched from mouse IgG1 to mouse IgG2a. The LALA-PG substitution has been shown to decrease effector functions by disrupting the Fc/Fc $\gamma$  receptor interface. The MOPC-21-CP156 monoclonal antibody is ideal for use as a non-reactive isotype-matched control for mouse IgG2a antibodies with a LALA-PG mutation in in vivo and in vitro applications.

## 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.

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*Not for resale.*

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