Mouse IgG2c-LALAPG Isotype Control Antibody | PA007141

Catalog No.: PA007141 | **Product Name:** In Vivo Grade Recombinant Mouse IgG2c-L234A L235A P329G (LALAPG) Isotype Control Antibody | **In Vivo Grade / Fc Silenced Mutant Antibody**

Recombinant mouse IgG2c kappa isotype control and Fc silenced mutant, mIgG2c LALAPG, good for in vitro and in vivo studies. Low or no specific binding to mouse samples tested. More choices of recombinant mouse IgG2c isotype controls, including targets, mutants, tags, and conjugates.

Product Specifications

Catalog No.	PA007141
Product Name	In Vivo Grade Recombinant Mouse IgG2c-L234A L235A P329G (LALAPG) Isotype Control Antibody
Synonyms	mIgG2c Isotype Control, Mouse IgG2c LALAPG Isotype Control Mutant
Summary	The In Vivo Grade Recombinant Mouse IgG2c-L234A L235A P329G (LALAPG) Isotype Control Antibody was produced in mammalian cells.
Clone	12B9
Isotype	Mouse IgG2c-LALAPG Kappa
Applications	an isotype-matched negative control for mouse IgG2c LALAPG kappa antibodies used in ELISA, Western Blot (WB), Flow Cytometry (Flow), Immunoprecipitation (IP), Immunohistochemistry (Paraffin) (IHC (P)), Immunohistochemistry (Frozen) (IHC (F)), and in vivo animal model research.
Immunogen	N/A.
Source / Host	Mammalian cells / Mouse
Formulation	0.2 uM filtered solution of 1x PBS. Non-conjugated.
Endotoxin	Less than 1 EU/mg of protein as determined by LAL method.
Purity	**>95%** by SDS-PAGE under reducing conditions.
Shipping	Mouse IgG2c-LALAPG Isotype Control Antibody (12B9) is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 1 month from date of receipt, 2 to 8°C as supplied. 3 months from date of receipt, -20°C to -70°C as supplied.

Biological Description & Background

PA007141: Recombinant Mouse IgG2c-L234A L235A P329G (LALAPG) Isotype Control Antibody (Clone: 12B9), In Vivo Grade.

The Mouse IgG2c-L234A L235A P329G (LALAPG) Isotype Control Antibody is an essential tool designed for researchers in immunology and molecular biology. This antibody acts as a highly effective negative control in a variety of immunological assays, ensuring the precision and reliability of experimental outcomes. By incorporating this isotype control, scientists can accurately evaluate non-specific binding and background noise, which is critical for validating the performance of primary antibodies in their studies.

This Fc-silenced antibody features specific mutations—L234A, L235A, and P329G—collectively referred to as the LALAPG modifications, located in the Fc region. These alterations eliminate the antibody's ability to interact with Fc receptors and trigger the complement system, ensuring no effector functions are activated. The Mouse IgG2c-LALAPG Isotype Control is thus an optimal choice for distinguishing specific antibody binding from non-specific interactions, providing researchers with clear and dependable results.

Syd Labs's recombinant mouse IgG2c-L234A L235A P329G (mIgG2c LALAPG, Fc silenced) isotype control antibody (mIgG2c LALAPG isotype control) was produced in mammalian cells. Versatile and reliable, the Mouse IgG2c-LALAPG Isotype Control Antibody is suitable for numerous applications, including flow cytometry, immunohistochemistry, immunofluorescence, Western blotting, and ELISA. For best results, it should be used at the same concentration as the primary antibody to ensure accurate data interpretation. This mouse IgG2c isotype control is a must-have for any researcher aiming to enhance the credibility of their immunological experiments.

For human T cell research, Syd Labs OKT3 antibodies are also available.

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/mouse-igg2c-lalapg-isotype-control-pa007141/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com