## MOPC-21 Mouse IgG2c Isotype Control Antibody | PA007155.m2c

**Catalog No.:** PA007155.m2c | **Product Name:** In vivo Grade Recombinant MOPC-21 Mouse IgG2c Isotype Control Antibody | **In Vivo Grade / Recombinant Antibody**

Recombinant isotype control antibodies and Fc silenced mutants from clone MOPC-21 good for in vitro and in vivo studies. The variable regions of the MOPC-21 antibody share the sequences with the antibodies against all members of the dengue virus complex, and the Epstein-Barr virus gp350 protein.

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Catalog No.** | PA007155.m2c |
| **Product Name** | In vivo Grade Recombinant MOPC-21 Mouse IgG2c Isotype Control Antibody |
| **Supplier / Brand** | Syd Labs, Inc. / Syd Labs |
| **Synonyms** | Recombinant MOPC-21 Isotype Control, MOPC-21 Negative Control Antibody |
| **Summary** | The In vivo Grade Recombinant MOPC-21 Mouse IgG2c Isotype Control Antibody was produced in mammalian cells. |
| **Clone** | MOPC-21 |
| **Isotype** | Mouse IgG2c, kappa |
| **Applications** | An isotype-matched negative control for mouse IgG1 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 / Host** | N/A / Mammalian cells |
| **Formulation** | 0.2 μM filtered solution of 1x PBS. Non-conjugated. |
| **Endotoxin & Purity** | Less than 1 EU/mg of protein as determined by LAL method. >95% by SDS-PAGE under reducing conditions. |
| **Shipping** | The In vivo Grade Recombinant MOPC-21 Mouse IgG2c Isotype Control Antibody 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. |
| **Note** | Recombinant isotype control antibodies and Fc silenced mutants from clone MOPC-21 good for in vitro and in vivo studies. The variable regions of the MOPC-21 antibody share the sequences with the antibodies against all members of the dengue virus complex, and the Epstein-Barr virus gp350 protein. |

## BIOLOGICAL DESCRIPTION & BACKGROUND

**PA007155.m2c: Recombinant MOPC-21 Mouse IgG2c Isotype Control Antibody (Clone: MOPC-21), In vivo Grade**

The MOPC-21 antibody (IgG1, kappa) has been used for a long time as an isotype-matched control antibody to estimate the degree of non-specific binding by an antigen-specific antibody. The variable regions of the MOPC-21 antibody share the sequences with the antibodies against all members of the dengue virus complex, and the Epstein-Barr virus gp350 protein. The recombinant MOPC-21 IgG1 kappa isotype control and mutants (natural and engineered mIgG1 isotype controls) are useful for in vitro and in vivo studies from ELISA, Western blot (WB), to cell-based assay to animal model study.

The isotypes of mouse IgG antibody reagents used in scientific research and clinical diagnostics are mainly mouse IgG1 kappa. Mouse IgG1 antibodies and engineered mutants are also used in therapeutic drug discovery. Mouse IgG1 antibodies

# Ushelf Life Sciences

Supplier: Syd Labs, Inc.

**Technical Data Sheet (TDS)**
www.ushelf.com

As an ideal recombinant mouse IgG1 isotype control, the recombinant MOPC-21 mIgG1 kappa isotype control has low or no specific binding to any mouse sample, and completely mouse variable regions and the mouse IgG1 kappa constant regions. The mouse IgG1 kappa isotype control and mutants can be used in ELISA, Western blot (WB), the cell-based assay or animal model as the antibody negative control.

Please contact us to ask for a quote for the engineered MOPC-21 mouse IgG1 isotype control mutants, mIgG1 isotype control and mutants with Avi-, His-, and Flag-tags, and biotinylated mIgG1 isotype control and mutants. A variety of conjugates (such as dyes and fluorophores) with the MOPC-21 mouse IgG1 isotype control and mutants are available.

## ORDERING & TECHNICAL SUPPORT

### Custom Volume Ordering & Support Inquiries

**Product Webpage:** ushelf.com/.../pa007155-m2c/

**Order Phone:** 1-617-401-8149

**Support Email:** message@sydlabs.com

**Fax:** 1-617-606-5022

Orders accepted with a formal purchase order (PO) or credit card.