MOPC-21 Mouse IgG2a Isotype Control Antibody | PA007155.m2a

Catalog No.: PA007155.m2a | **Product Name:** In vivo Grade Recombinant MOPC-21 Mouse IgG2a 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.m2a
Product Name	In vivo Grade Recombinant MOPC-21 Mouse IgG2a 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 IgG2a Isotype Control Antibody was produced in mammalian cells.
Clone	MOPC-21
Isotype	Mouse IgG2a, 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 IgG2a 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.m2a: Recombinant MOPC-21 Mouse IgG2a 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)
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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-m2a/

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.