B1-8 Rat IgG2a Isotype Control Antibody | PA007151.rt2a

Catalog No.: PA007151.rt2a | **Product Name:** In vivo Grade Recombinant B1-8 Rat IgG2a Isotype Control Antibody | **In Vivo Grade / Recombinant Antibody**

Recombinant anti-NP isotype control antibodies and Fc silenced mutants from clone B1-8 good for in vitro and in vivo studies. Low or no specific binding to human, rat, and mouse samples tested. Low prices for bulk order.

PRODUCT SPECIFICATIONS

Catalog No.	PA007151.rt2a
Product Name	In vivo Grade Recombinant B1-8 Rat IgG2a Isotype Control Antibody
Supplier / Brand	Syd Labs, Inc. / Syd Labs
Synonyms	Recombinant B1-8 Isotype Control, B1-8 Negative Control Antibody
Summary	The In vivo Grade Recombinant B1-8 Rat IgG2a Isotype Control Antibody was produced in mammalian cells.
Clone	B1-8
Isotype	Rat IgG2a, kappa
Applications	an isotype-matched negative control for anti-NP mouse IgG2c 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	hapten-protein conjugated NP12-chicken gammaglobulin (CG); Hapten: 4-hydroxy-3-nitrophenyl acetyl (NP).
Form Of Antibody	0.2 μM filtered solution of 1x PBS.
Endotoxin	Less than 1 EU/mg of protein as determined by LAL method.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping	The In vivo Grade Recombinant B1-8 Rat 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 anti-NP isotype control antibodies and Fc silenced mutants from clone B1-8 good for in vitro and in vivo studies. Low or no specific binding to human, rat, and mouse samples tested. Low prices for bulk order.

BACKGROUND & APPLICATION INFORMATION

The anti-NP B1-8 antibody (IgG2c, kappa) in nature is suitable for use as an isotype-matched control antibody to estimate the degree of non-specific binding by an antigen-specific antibody. The recombinant B1-8 IgG2c kappa isotype control and mutants (natural and engineered mIgG2c 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 mouse IgG2c antibody is produced in certain inbred strains such as C57BL/6, C57BL/10, SJL, and NOD, which does express the mouse IgG2a antibody, and vice versa. If one uses any of the mouse strains for animal research, it is better to use the IgG2c antibodies rather than the IgG2a antibodies. There are more and more IgG antibody formats with Fc engineered. The format with the Fc silenced, Fc silent, or Fcs with silenced effector function is the most popular. Thus, the wild type mouse IgG2c isotype control and the Fc silenced mouse IgG2c isotype control mutants should be used in such an application.

The in vivo grade recombinant B1-8 rat IgG2a isotype control antibody was produced in mammalian cells.

Order & Contact Information

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Offline Order: With formal purchase order (PO) or credit card