Rat IgG2a Isotype Control Antibody (Clone: 12B9) | PA007143

Catalog No.: PA007143 | **Product Name:** In Vivo Grade Recombinant Rat IgG2a Isotype Control Antibody | **In Vivo Grade / Recombinant Antibody**

Recombinant rat IgG2a kappa isotype control good for in vitro and in vivo studies. Low or no specific binding to mouse samples tested. Mouse variable regions and rat IgG2a kappa constant regions.

Product Specifications

Catalog No.	PA007143
Product Name	In Vivo Grade Recombinant Rat IgG2a Isotype Control Antibody
Synonyms	Recombinant Rat IgG2a Isotype Control, Rat IgG2a Negative Control Antibody, rtIgG2a Isotype Control
Summary	The in vivo grade recombinant rat IgG2a isotype control antibody (rtIgG2a isotype control) was produced in HEK 293 cells.
Clone	12B9
Isotype	rat IgG2a, kappa
Applications	an isotype-matched negative control for rat IgG2a 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	HEK 293 cells / Rat
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	The recombinant rtIgG2a isotype control 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

PA007143: Recombinant Rat IgG2a Isotype Control Antibody (Clone: 12B9), In Vivo Grade.

The in vivo grade recombinant rat IgG2a isotype control antibody (rtIgG2a isotype control) was produced in HEK 293 cells.

Rat IgG2a isotype control and mutants (natural and engineered rtIgG2a isotype controls) are useful for functional study using animal model among a number of in vitro and in vivo research applications including ELISA, Western Blot (WB), Flow Cytometry (Flow), Immunoprecipitation (IP), Immunohistochemistry (Paraffin) (IHC (P)), and Immunohistochemistry (Frozen) (IHC (F)). Rat IgG2a and IgG1 antibodies are more like mouse IgG1 than rat IgG2b antibodies. Most of rat antibodies are used to study mouse and human target proteins.

Please contact us to ask for a quote for the engineered rat IgG2a isotype control mutants, rtIgG2a isotype control and mutants with Avi-, His-, and Flag-tags, and biotinylated rat IgG2a isotype control and mutants. A variety of conjugates (such as dyes and fluorophores) with the rat IgG2a isotype control and Fc mutants are available.

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/rat-igg2a-isotype-control-pa007143/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com