Rat IgG1 Isotype Control Antibody (Clone: 12B9) | PA007142

Catalog No.: PA007142 | **Product Name:** In Vivo Grade Recombinant Rat IgG1 Isotype Control Antibody | **In Vivo Grade / Recombinant Antibody**

Recombinant rat IgG1 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 IgG1 kappa constant regions.

Product Specifications

Catalog No.	PA007142
Product Name	In Vivo Grade Recombinant Rat IgG1 Isotype Control Antibody
Synonyms	Recombinant Rat IgG1 Isotype Control, Rat IgG1 Negative Control Antibody, rtIgG1 Isotype Control
Summary	The in vivo grade recombinant rat IgG1 isotype control antibody (rtIgG1 isotype control) was produced in CHO cells.
Clone	12B9
Isotype	rat IgG1, kappa
Applications	an isotype-matched negative control for rat 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	N/A.
Source / Host	CHO 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 rat IgG1 isotype control and mutants are 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

PA007142: Recombinant Rat IgG1 Isotype Control Antibody (Clone: 12B9), In Vivo Grade.

The in vivo grade recombinant rat IgG1 isotype control antibody (rtIgG1 isotype control) was produced in CHO cells.

Rat IgG1 isotype control and mutants (natural and engineered rtIgG1 isotype controls) are useful for functional study using animal model among a number of in vitro and in vivo research applications from ELISA, Western Blot (WB) to cell-based assays. Rat IgG1 and IgG2a antibodies are more like mouse IgG1 than rat IgG2b antibodies. Most of rat antibodies are used to study mouse target proteins.

Please contact us to ask for a quote for the engineered such as Fc silenced rat IgG1 isotype control mutants, rtIgG1 isotype control and mutants with Avi-, His-, and Flag-tags, and biotinylated rat IgG1 isotype control and mutants. A variety of conjugates (such as dyes and fluorophores) with the rat IgG1 isotype control and Fc silenced 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-igg1-isotype-control-pa007142/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com