Human IgG3 Isotype Control Antibody (Clone: 4F17) | PA007160

Catalog No.: PA007160 | **Isotype:** Human IgG3 Kappa | **In Vivo Grade / Isotype Control**

In vivo grade recombinant human IgG3 kappa isotype control. Low or no specific binding to human samples tested. Humanized variable regions, and human IgG3 kappa constant regions. The lowest prices for bulk order. For human T cell research, Syd Labs OKT3 antibodies are also available.

Product Specifications

Catalog No.	PA007160
Product Name	In Vivo Grade Recombinant Human IgG3 Isotype Control Antibody
Synonyms	Recombinant Human IgG3 Isotype Control, Human IgG3 Negative Control Antibody, hIgG3 Isotype Control
Clone & Isotype	4F17 | Human IgG3 Kappa
Applications	An isotype-matched negative control for human IgG3 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.
Reactivity & Specificity	Low or no specific binding to human samples tested.
Source / Host	The recombinant human IgG3 isotype control (hIgG3 kappa isotype control antibody) and mutants are produced in mammalian cells (HEK293 and CHO cells).
Formulation & Conjugate	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 product 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 to -70°C as supplied.

Biological Description & Background

PA007160: Recombinant Human IgG3 Isotype Control Antibody (Clone: 4F17), In Vivo Grade.

The recombinant human IgG3 isotype control (hIgG3 kappa isotype control antibody) and mutants are produced in mammalian cells (HEK293 and CHO cells). The recombinant human IgG3 isotype control has low or no specific binding to any human sample, and humanized or completely human variable regions in addition to the human IgG3 kappa constant regions. The human IgG3 kappa isotype control and mutants such as Fc-silenced can be used in ELISA, Western blot (WB), the cell-based assay or animal model as the antibody negative control.

The isotype controls are normally used to differentiate any non-specific background signal from the specific antibody signal, including the immunogenicity if used in animals. Most in vivo functional grade human IgG antibodies are used in mice for in vivo studies. Besides the antibody Complementarity-Determining Regions (CDRs), two human or humanized variable regions including the one in the human or humanized IgG isotype control do not necessarily induce the same immune response in mice because in some cases, even one amino acid difference can make difference. Mouse variable regions can be used to show the potential immunogenicity induced by the human variable regions in the human or humanized IgG antibodies to test. Thus, in some cases, it is better to use the mouse variable region in the human IgG isotype controls. We also produce and sell recombinant human IgG isotype controls from the popular mouse hybridoma clones, MOPC21 and C1.18.4, as well as recombinant human IgG1 kappa isotype controls against KLH, TNP, DNP, GST, HEL, His-tag, Flag, c-myc, HA, GFP, and unknown specificity.

Please contact us to ask for a quote for the Fc silenced human IgG3 isotype control mutants, hIgG3 isotype control and silent Fc mutants with Avi-, His-, and Flag-tags, and biotinylated hIgG3 isotype control and silent Fc mutants. A variety of conjugates (such as a fluorophore) with the human IgG3 isotype control and Fc effector-silent 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/human-igg3-isotype-control-antibody-pa007160/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5019
- **Support Email:** message@sydlabs.com