Human IgG1-N297A Isotype Control Antibody (Clone: 4F17) | PA007133.05

Catalog No.: PA007133.05 | **Product Name:** In Vivo Grade Recombinant Human IgG1-N297A Isotype Control Antibody, Endotoxin 0.05 EU/mg | **In Vivo Grade / Fc Silenced Mutant Antibody**

Cheapest in vivo grade recombinant human IgG1 kappa isotype control and mutants. Low or no specific binding to human samples tested. Humanized variable regions, and human IgG1 kappa constant regions. Chimeric versions and premium grade (endotoxin ≤ 0.05 EU/mg) are available.

Product Specifications

Catalog No.	PA007133.05
Product Name	In Vivo Grade Recombinant Human IgG1-N297A Isotype Control Antibody, Endotoxin 0.05 EU/mg
Synonyms	hIgG1 Isotype Control, hIgG1 D265A N297A, IgG1 LALAPG, IgG1 SELF Mutants
Summary	The In Vivo Grade Recombinant Human IgG1-N297A Isotype Control Antibody, Endotoxin 0.05 EU/mg was produced in mammalian cells.
Clone	4F17
Isotype	Human IgG1-N297A Kappa
Applications	an isotype-matched negative control for human IgG1 D265A 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	Mammalian cells / Human
Formulation	0.2 uM filtered solution of 1x PBS. Non-conjugated.
Endotoxin	< 0.05 EU per 1 mg of protein as determined by LAL method. Endotoxin ≤ 0.05 EU/mg for PA007125.05, in vivo grade recombinant human IgG1 isotype control antibody, premium grade (endotoxin ≤ 0.05 EU/mg).
Purity	**>95%** by SDS-PAGE under reducing conditions.

Biological Description & Background

PA007133.05: Recombinant Human IgG1-N297A Isotype Control Antibody (Clone: 4F17), In Vivo Grade.

Background:
Isotype control antibodies (negative control antibodies or reference antibodies) are frequently used in various antibody-related in vivo and in vitro experiments such as ELISA, Western blot, immunofluorescence, immunohistochemistry, immunoprecipitation, and flow cytometry. Isotype control antibodies are used as negative controls of primary antibodies to check presence of non-specific binding to Fc receptors on the cell surface, other cellular proteins, carbohydrates, and lipids. Thus, the isotype control antibody normally matches the host species and isotype, including light chains (such as human IgG1 kappa antibody), concentration, and conjugation format of the experimental primary antibody.

The in vivo grade recombinant human IgG1-N297A kappa isotype control mutant (hIgG1 N297A isotype control) was produced in mammalian cells.

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-igg1-n297a-isotype-control-pa007133-05/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com