Mouse IgG2c Isotype Control Antibody (Clone: 12B9) | PA005171

Catalog No.: PA005171 | **Product Name:** In Vivo Grade Recombinant Mouse IgG2c Isotype Control Antibody | **In Vivo Grade / Recombinant Antibody**

Recombinant mouse IgG2c kappa isotype control and Fc silenced mutant, mIgG2c LALAPG, good for in vitro and in vivo studies. Low or no specific binding to mouse samples tested. More choices of recombinant mouse IgG2c isotype controls, including targets, mutants, tags, and conjugates.

Product Specifications

Catalog No.	PA005171
Product Name	In Vivo Grade Recombinant Mouse IgG2c Isotype Control Antibody
Synonyms	mIgG2c Isotype Control, Mouse IgG2c LALAPG Isotype Control Mutant
Summary	The in vivo grade recombinant mouse IgG2c isotype control antibody (mIgG2c isotype control) was produced in mammalian cells.
Isotype	mouse IgG2c, kappa
Applications	an isotype-matched negative control for 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	N/A.
Source / Host	Mammalian cells / Mouse
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.

Biological Description & Background

PA005171: Recombinant Mouse IgG2c Isotype Control Antibody (Clone: 12B9), In Vivo Grade.

The mouse IgG2c antibody is produced in certain inbred strains such as C57BL/6, C57BL/10, SJL, and NOD, which does not 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.

Background:
Mouse IgG antibodies are classified to four subclasses mainly based on the isotype of the heavy chain (IgG1, IgG2a or IgG2c, IgG2b, and IgG3 for the heavy chain; kappa and lamda for the light chain), of which IgG1 and kappa are the most abundantnamed in serum. IgG antibodies are large molecules of about 150 kDa composed of four peptide chains, two identical heavy chains of about 50 kDa and two identical light chains of about 25 kDa. The four peptides are arranged in a Y-shape tetramer by disulfide bonds formed between the two heavy chains and between a heavy chain and a light chain.

The in vivo grade recombinant mouse IgG2c isotype control antibody (mIgG2c 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/mouse-igg2c-isotype-control-pa005171/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com