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# In Vivo Grade Recombinant Human IgG1 Isotype Control Antibody

**Catalog No.: YR0174**

## Basic Information

**Molecular Weight**
150 kDa

**Endotoxin**
<1EU/mg (<0.001EU/μg)Determined by LAL gel clotting assay

**Sterility**
0.2 μm filtration

**Aggregation**
<5% Determined by SECP

**Purity**
>95% Determined by SDS-PAGE

## 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.

## Reported Applications

**an isotype-matched negative control 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 Information

**Clone**
4F17

**Isotype**
Human IgG1 kappa

**Immunogen**

**RecommendedIsotype Control(s)**

**Recommended Dilution Buffer**
1×PBS

## Contact


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## Product Information

**Production**
Purified from cell culture supernatant in an animal-free facility

**Purification**
Protein A or G purification

**Storage**
Store at -20℃