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In Vivo Grade Recombinant Human IgG1 Isotype Control Antibody, Endotoxin 0.05 EU/mg

Catalog No.: YR0175

Basic Information

Molecular Weight
150 kDa

Endotoxin
<0.05EU/mg (<0.00005EU/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

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℃