

In Vivo Grade Recombinant Chimeric Human IgG4-S228P L235E P329G Isotype Control Antibody

Catalog No.: YR0355

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 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 IgG4 S228P kappa antibody), concentration, and conjugation format of the experimental primary antibody. The ideal human isotype control antibody has low or no specific binding to any human sample, and humanized or completely human variable regions in addition to the human IgG constant regions.

Reported Applications

an isotype-matched negative control used in ELISA, Western Blot (WB), Flow Cytometry (Flow), Immuno precipitation (IP), Immunohistochemistry (Paraffin) (IHC (P)), Immunohistochemistry (Frozen) (IHC (F)), and in vivo animal model research

Immunogen Information

Clone

4F17m

Isotype

Human IgG4 kappa

Immunogen

Recommended Isotype Control(s)

Recommended Dilution Buffer

1×PBS pH 7.0

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

2 - 8°C for up to 4 weeks and -80°C for long term storage (Avoid repeated freezing and thawing)