

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

Catalog No.: YR0354

## 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)