# Recombinant Mouse IgG2a Isotype Control Antibody

**Catalog NO.: YR1014**

## Basic Information

### Molecular Weight

### Endotoxin

### Sterility
0.2 μm filtration

### Aggregation
<5% Determined by SECP

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

## Background

The recombinant anti-HEL mouse IgG2a isotype control antibody binds to neither human nor mouse samples. Recombinant mouse IgG isotype control antibodies help minimize non-specific binding of primary and capture antibodies by blocking interactions between antibody Fc fragments and Fc receptors, and preventing non-specific antibody binding to cellular proteins, carbohydrates, and lipids. Normal mouse serum and purified mouse IgGs from normal mouse serum are commonly used as non-specific passive blocking solution for antibody-based immuno-assays. Recombinant mouse IgG antibody mixes, as a direct alternative to normal mouse serum and even mouse IgGs purified from mouse serum or a non-specific passive blocking solution, can be used to eliminate interfering antibodies from immuno-assay systems using capture and detection antibodies. There is higher percentage of mouse IgG1 or IgG2b in serum from different strains of mice. Features of recombinant mouse IgG isotype control antibodies compared with normal mouse serum and serum-derived mouse IgGs: 1) Animal free production. CHO cells rather than mice are used in antibody production. 2) Lot-to-lot consistency. CHO cells which are used for antibody drug manufacturing are used to manufacture the mouse IgG isotype control antibodies in the antibody mixes. All production is under control and predictable. 3) As a targeted or passive antibody blocker to interfering antibodies like HAMA (Human Anti-Mouse Antibodies) and no binding to human tissues. In contrast, some serum-derived mouse IgGs may bind to unknown targets in some human tissues. Recombinant mouse IgG isotype control antibodies are the best normal mouse serum alternative as blocking reagents, and serum-derived mouse IgGs alternative.

## Reported Applications

**ELISA**

**flow cytometry**

**immunoblotting**

**immunoprecipitation**

**immunocytochemistry**

**immunofluorescence**

**and isotype controls.**

## Immunogen Information

### Clone
HyHEL-10

### Isotype
Mouse IgG2a

### Immunogen

### RecommendedIsotype Control(s)

### Recommended Dilution Buffer
1×PBS

## Contact

## Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

## Production

Purified from cell culture supernatant in an animal-free facility

## Purification

Protein A/G

## Storage

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

For research use only. Not for therapeutic or diagnostic purposes.

Please visit **https://abclonal.com** for a complete list of recommended products.