

# Recombinant Rat IgG Antibody Mix with more rtIgG2a and rtIgG2b

Catalog No.: YR1028

## Basic Information

### Molecular Weight

### Endotoxin

### Sterility

0.2 µm filtration

### Aggregation

<5% Determined by SECP

### Purity

>95% Determined by SDS-PAGE

## Background

The recombinant rat IgG antibody mix is a mixture of recombinant anti-HEL rat IgG1, IgG2a, IgG2b, and IgG2c kappa antibodies which bind to neither human nor mouse samples. The percentage of rat IgG2a and IgG2b is much higher than the other antibody subclasses in the antibody mix. Normal rat serum and purified rat IgGs from normal rat serum are commonly used as non-specific passive blocking solution for antibody-based immuno-assays. Recombinant rat IgG antibody mixes, as a direct alternative to normal rat serum and even rat IgGs purified from rat serum or a non-specific passive blocking solution, can be used to eliminate interfering antibodies from immuno-assay systems using capture and detection antibodies. Features of recombinant rat IgG antibody mixes compared with normal rat serum and serum-derived rat IgGs: 1) Animal free production. CHO cells rather than rats are used in antibody production. 2) Lot-to-lot consistency. CHO cells which are used for antibody drug manufacturing are used to manufacture the rat IgG antibodies in the antibody mixes. All production is under control and predictable. 3) As a targeted or passive antibody blocker to interfering antibodies like HARA (Human Anti-Rat Antibodies) and no binding to human and mouse tissues. In contrast, some serum-derived rat IgGs may bind to unknown targets in some human and mouse tissues. Recombinant rat IgG antibody mixes are the best normal rat serum alternative as blocking reagents, and serum-derived rat IgGs alternative.

## Reported Applications

ELISA, flow cytometry, immunoblotting, immunoprecipitation, immunocytochemistry, immunofluorescence, and isotype controls.

## Immunogen Information

### Clone

HyHEL-10

### Isotype

Rat IgG1, IgG2a, IgG2b, and IgG2c

### Immunogen

### Recommended Isotype 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/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)