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Universal Recombinant Rat IgG Antibody Mix

Catalog No.: YR1029

Basic Information

Molecular Weight

Endotoxin

Sterility
0.2 μm filtration

Aggregation
<5% Determined by SECP

Purity
>95% Determined by SDS-PAGE

Background

The universal 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 IgG1 and IgG2c are in the same range as combination of IgG2a and IgG2b. 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

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/G

Storage
Store at -20℃