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Recombinant Mouse IgG Antibody Mix with more mIgG2b and mIgG2c rather than mIgG2a

Catalog No.: YR1011

Basic Information

Molecular Weight

Endotoxin

Sterility
0.2 μm filtration

Aggregation
<5% Determined by SECP

Purity
>95% Determined by SDS-PAGE

Background

The recombinant mouse IgG antibody mix is a mixture of recombinant anti-HEL mouse IgG1, IgG2b, IgG2c, and IgG3 kappa antibodies which bind to neither human nor mouse samples. The percentage of mouse IgG2b is much higher than the other antibody subclasses in the antibody mix. 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. Features of recombinant mouse IgG antibody mixes 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 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 antibody mixes 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 IgG1, IgG2a, IgG2b, IgG2c, IgG3

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℃