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Universal Recombinant Human IgG Antibody Mix

Catalog No.: YR1027

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 human IgG antibody mix is a mixture of recombinant human IgG1, IgG2, IgG3, and IgG4 (S228P) kappa antibodies which bind to neither human nor mouse samples. The percentage of human IgG1 and IgG4 (S228P) are in the same range as combination of IgG2 and IgG3. Normal human serum and purified human IgGs from normal human serum are commonly used as non-specific passive blocking solution for antibody-based immuno-assays. Recombinant human IgG antibody mixes, as a direct alternative to normal human serum and even human IgGs purified from human 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 human IgG antibody mixes compared with normal human serum and serum-derived human IgGs: 1) Human free production. CHO cells rather than human serum are used in antibody production. 2) Lot-to-lot consistency. CHO cells which are used for antibody drug manufacturing are used to manufacture the human IgG antibodies in the antibody mixes. All production is under control and predictable. 3) As a targeted or passive antibody blocker to interfering antibodies and no binding to human tissues. In contrast, some serum-derived human IgGs may bind to unknown targets in some human tissues. Recombinant human IgG antibody mixes are the best normal human serum alternative as blocking reagents, and serum-derived human IgGs alternative.

Reported Applications

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

Immunogen Information

Clone
N/A

Isotype
Human IgG1, IgG2, IgG3, and IgG4 (S228P)

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℃