Leader in Biomolecular Solutions for Life Science

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Rabbit anti human IgG(LS mutation) specific monoclonal antibody (Clone 6B4)

Catalog No.: YR0514

Basic Information

Molecular Weight
150kDa

Endotoxin
<1EU/mg (<0.001EU/μg)Determined by LAL gel clotting assay

Sterility
0.2 μm filtration

Aggregation
<5% Determined by SECP

Purity
>95% Determined by SDS-PAGE

Background

Related studies have shown that M428L/N434S (LS) mutations in the Fc region of IgG antibodies can prolong the half-life of therapeutic antibodies, optimize the pharmacokinetic characteristics, and reduce the frequency of administration. We developed Rabbit Anti-human IgG-FC (LS mutation) Specific Monoclonal Antibody that effectively captures and stably binds to IgG Fc segment LS mutants. The LS mutant for therapeutic IgG has important application value in pharmacodynamic/pharmacokinetic studies and detection technology.

Reported Applications

ELISA

Immunogen Information

Clone
6B4

Isotype
Rabbit IgG

Immunogen

RecommendedIsotype Control(s)

Recommended Dilution Buffer

Contact

400-999-6126

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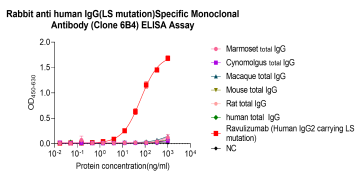
Product Information

Production
Purified from cell culture supernatant in an animal-free facility

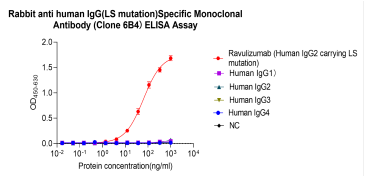
Purification
Protein A/G

Storage
Store at 2-8℃

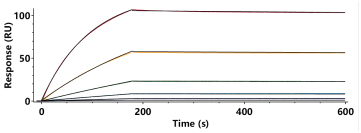
Validation Data



A microtiter plate was coated overnight with rabbit anti human IgG(LS mutation) specific monoclonal antibody (Clone 6B4) at a concentration of 2 μg/ml. After washing and blocking with PBST + 5% skim milk, increasing concentrations of various biotinylated antibodies was added. Horseradish Peroxidase conjμgated Neutravidin□(Thermo Fisher, 31001)was used for final detection.



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Rabbit anti human IgG(LS mutation) specific monoclonal antibody (Clone 6B4) captured on C5 Chip can bind Ravulizumab(Human IgG2 LS mutation) with an affinity constant of 0.92 nM as determined in SPR assay.