Leader in Biomolecular Solutions for Life Science

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Rabbit anti-human IgG FC (YTE mutation) Specific Monoclonal Antibody, Clone 6C1

Catalog No.: YR0509

Basic Information

Molecular Weight

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

Sterility

Aggregation

Purity

Background

Related studies have shown that M252Y/S254T/T256E (YTE) 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 (YTE mutation) Specific Monoclonal Antibody that effectively captures and stably binds to IgG Fc segment YTE mutants. The YTE mutant for therapeutic IgG has important application value in pharmacodynamic/pharmacokinetic studies and detection technology.

Reported Applications

ELISA

Immunogen Information

Clone

Isotype

Immunogen

RecommendedIsotype Control(s)

Recommended Dilution Buffer

Contact

400-999-6126

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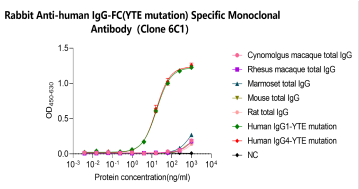
Product Information

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

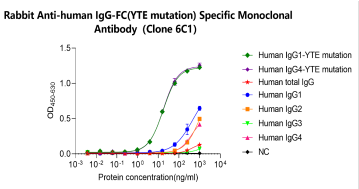
Purification

Storage
Store at 2 - 8℃. 2 - 8°C for up to 4 weeks and -80°C for long term storage (Avoid repeated freezing and thawing)

Validation Data



A microtiter plate was coated overnight with Rabbit Anti-human IgG-FC (YTE mutation) Specific Monoclonal Antibody (Clone 6C1) at a concentration of 1 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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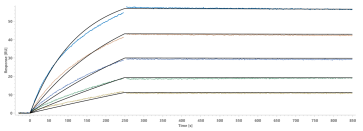

Rabbit Anti-human IgG-FC (YTE mutation) Specific Monoclonal Antibody (Clone 6C1) captured on Protein A Chip can bind Human IgG1-FC (YTE) mutation with an affinity constant of 0.24 nM as determined in SPR assay.