

Rabbit anti-human IgG FC (YTE mutation) Specific Monoclonal Antibody, Clone 6H2

Catalog No.: YR0510

Basic Information

Molecular Weight

150kDa

Endotoxin

<1EU/mg (<0.001EU/ μ g)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 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 Antihuman 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, SPR

Immunogen Information

Clone 6H2 **Isotype** Rabbit IgG1

Immunogen

RecommendedIsotype Control(s)

Recommended Dilution Buffer

1×PBS pH 7.3

Contact

6	400-999-6126
\bowtie	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

Product Information

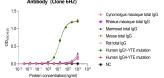
ProductionPurified from cell culture supernatant in an an animal-free facility

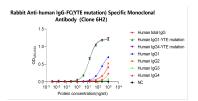
Protein A/G

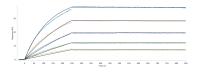
Storage

Store at $2 - 8^{\circ}$ C. $2 - 8^{\circ}$ C for up to 4 weeks and -80° C for long term storage (Avoid repeated freezing and thawing)

Rabbit Anti-human IgG-FC(YTE mutation) Specific Monoclonal







A microtiter plate was coated overnight with Rabbit Anti-human IgG-FC (YTE mutation) Specific Monoclonal Antibody (Clone 6H2) at a concentration of 1 μ g/mL. After washing and blocking with PBST + 5% skim milk, increasing concentrations of various biotinylated antibodies was added. Horseradish Peroxidase conj μ gated Neutravidin, (Thermo Fisher, 31001) was used for final detection.

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Rabbit Anti-human IgG-FC (YTE mutation) Specific Monoclonal Antibody (Clone 6H2) captured on Protein A Chip can bind Human IgG1-FC (YTE) mutation with an affinity constant of 0.2 nM as determined in SPR assay.