Leader in Biomolecular Solutions for Life Science

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# Rabbit anti-Human IgG Specific Monoclonal Antibody, clone 1C1 (minimum binding to Monkey/Mouse/Rat IgG)

**Catalog No.: YR0504**

## 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

Rabbit anti-Human IgG Specific Monoclonal Antibody clone 1C1 is a recombinant rabbit Monoclonal antibody, Capture ELISA binding experiment results that recognizes human immunoglobulin isotypes (IgG1, IgG2, IgG3, IgG4), IgG-Fab, total IgG. It exhibits minimum binding Cynomolgus macaque total IgG, Rhesus macaque total IgG, Marmoset total IgG, Mouse total IgG, Rat total IgG.

## Reported Applications

**ELISA,SPR**

## Immunogen Information

**Clone**
1C1

**Isotype**
Rabbit IgG1

**Immunogen**

**RecommendedIsotype Control(s)**

**Recommended Dilution Buffer**
1×PBS pH 7.3

## Contact


400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

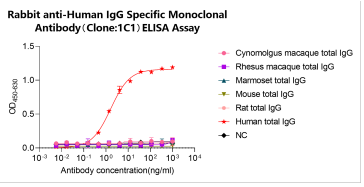

## Product Information

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

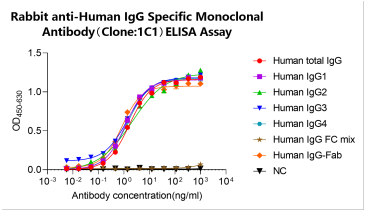
**Purification**
Protein A/G

**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




Regular ELISA binding curve demonstrating the recognition of Rabbit anti-Human IgG Specific Monoclonal Antibody. A microtiter plate was coated overnight with various antibodies at a concentration of 2 μg/mL. After washing and blocking with PBST + 5% skim milk, increasing concentrations of the Rabbit Anti-Human IgG Fab Antibody (clone 1C1) was added. Horseradish Peroxidase conjugated goat anti-rabbit IgG (Jackson, Cat.: 111-035-045) was used for final detection.

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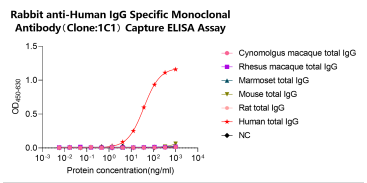
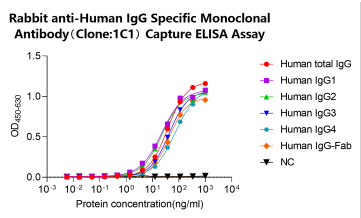



Capture ELISA binding curve demonstrating the recognition of Rabbit anti-Human IgG Specific Monoclonal Antibody. A microtiter plate was coated overnight with Rabbit anti-Human IgG Specific Monoclonal Antibody (clone 1C1) at a concentration of 2 μg/mL. After washing and blocking with PBST + 5% skim milk, increasing concentrations of various biotinylated antibodies was added. Horseradish Peroxidase conjugated Neutravidin (Thermo Fisher, 31001) was used for final detection.

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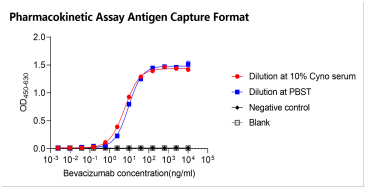
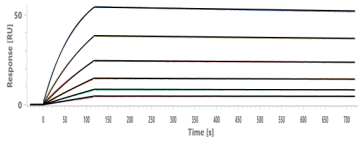
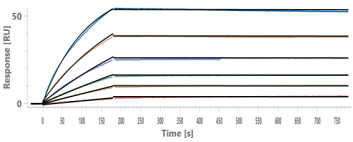
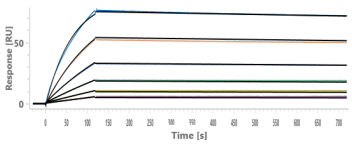



A microtiter plate was coated overnight with VEGF at a concentration of 2 μg/mL. After washing and blocking with PBST + 5% skim milk, 10% cynomolgus macaque serum was added spiked with increasing concentrations of bevacizumab (hIgG1 kappa)(from 10 μg/mL). Clone 1C1 was added. Another unrelated rabbit mAb used for negative control. Detection was performed using HRP conjugated goat anti-rabbit 2nd Ab. No cynomolgus serum added sample is used as control.




Rabbit anti-Human IgG Specific Monoclonal Antibody (Clone 1C1) captured on C5 Chip can bind Human IgG1 with an affinity constant of 0.79 nM as determined in SPR assay.



## Validation Data

Rabbit anti-Human IgG Specific Monoclonal Antibody (Clone 1C1) captured on C5 Chip can bind Human IgG3 with an affinity constant of 0.22 nM as determined in SPR assay.

Rabbit anti-Human IgG Specific Monoclonal Antibody (Clone 1C1) captured on C5 Chip can bind Human IgG4 with an affinity constant of 1.64 nM as determined in SPR assay.