

# Rabbit anti-Human IgG Specific Monoclonal Antibody, clone 1C1 (minimum binding to cyno/Ms/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 does not recognize 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

### Recommended Isotype Control(s)

### Recommended Dilution Buffer

1×PBS pH 7.3

## Contact

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## Product Information

### Production

Purified from cell culture supernatant in an animal-free facility

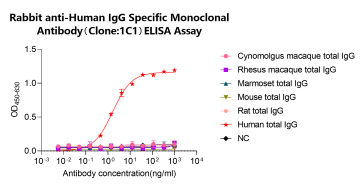
### Purification

Protein A/G

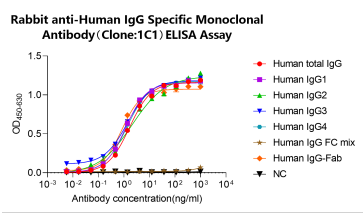
### Storage

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

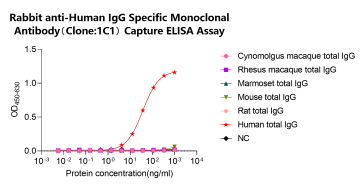
Validation Data



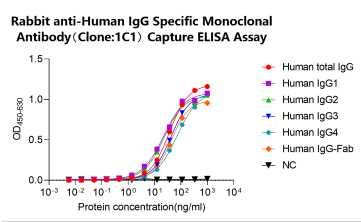
Regular ELISA binding curve demonstrating the recognition of Rabbit anti-Human IgG Specific Monoclonal Antibody. A microtiter plate was coated overnight with various antibodies at a concentration of 2 µg/mL. After washing and blocking with PBST + 5% skim milk, increasing concentrations of the Rabbit 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.



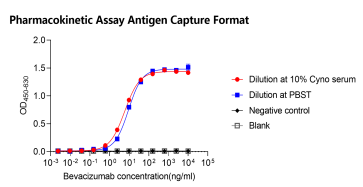
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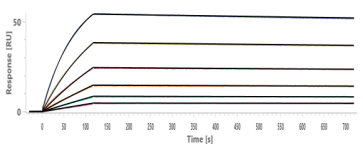
Capture ELISA binding curve demonstrating the recognition of Rabbit anti-Human IgG Specific Monoclonal Antibody. A microtiter plate was coated overnight with Rabbit anti-Human IgG Specific Monoclonal Antibody (clone 1C1) at a concentration of 2 µg/mL. After washing and blocking with PBST + 5% skim milk,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



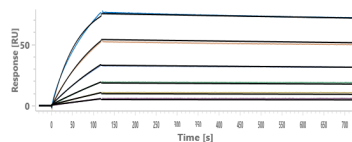
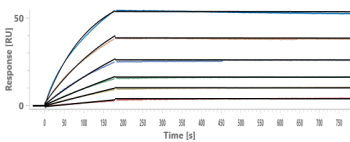
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A microtiter plate was coated overnight with VEGF at a concentration of 2 µg/mL. After washing and blocking with PBST + 5% skim milk, 10% cynomolgus macaque serum was added spiked with increasing concentrations of bevacizumab (hlgG1 kappa)(from 10 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

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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.