

# HRP-conjugated Rabbit anti-Goat IgG Fc mAb

Catalog No.: AS096

#### **Basic Information**

### **Background**

**Observed MW** 

**Calculated MW** 

Category

Secondary antibody

**Applications** 

WB,ELISA

**Cross-Reactivity** 

Goat

CloneNo number

ARC56943-HRP

Conjugate

HRP

## **Recommended Dilutions**

**WB** 1:500-1:64000

**ELISA** 1:5000-1:10000

## **Immunogen Information**

Gene ID Swiss Prot

**Immunogen** 

This information is considered to be commercially sensitive.

**Synonyms** 

#### Contact

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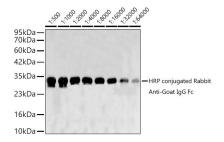
## **Product Information**

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

#### **Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



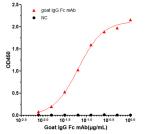
Western blot analysis of recombinant goat IgG Fc Protein using HRP-conjugated Rabbit anti-Goat IgG Fc mAb(AS096) at 1:500-1:64000 dilution. Blot was incubated with HRP conjugated antibody in the Blocking buffer (3% nonfat dry milk in TBST) at room temperature for 1 hour before detection using Enhanced chemiluminescence.

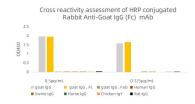
Lysates/proteins: Lane 1: molecular weight marker; Lanes 2-9: 100ng goat IgG Fc recombinant Protein per lane.

Detection: ECL Basic Kit (RM00020).

Exposure time: 15s.







Dose response curve of HRP conjugated Rabbit Anti-Goat IgG Fc mAb measured by ELISA. 25 ng of Goat IgG Fc recombinant protein was coated in 384-well plate, blank wells without protein were used as negative control (NC). The coated plate was blocked and subsequently incubated with 25  $\mu$  of HRP conjugated Rabbit Anti-Goat IgG Fc mAb in a 2 fold serial dilution from 1  $\mu$ g/mL to 7.8 pg/mL, incubation was performed at room temperature for 1 hour. EC50 value (  $6.38\times10^{\sim}-2~\mu$ g/mL) were calculated using 4 parameter logistic regression.

Cross reactivity to various IgGs of HRP conjugated Rabbit Anti-Goat IgG Fc mAb was examined ELISA. 1  $\mu$ g/mL of various immunoglobulins were coated to 384-well plate. Then the plate was blocked and incubated with 25  $\mu$ L of HRP conjugated Rabbit Anti-Goat IgG Fc mAb , 0.5  $\mu$ g/mL and 0.125  $\mu$ g/mL) at room temperature for 1 hour. The ELISA result demonstrated that Rabbit anti-goat Fc antibody has highly specific recognition of goat IgG (H+L) and Fc fragments, while no or minimal cross reactivity to goat IgG Fab, Human IgG, Swine IgG, Horse IgG, Chicken IgY, and Rat IgG.