

# Complement C3 Polyclonal Antibody(Capture/Detector)

catalog number: AN000660P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

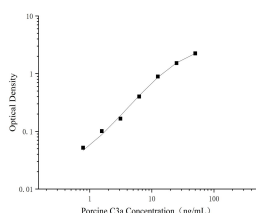
<b>Reactivity</b>	pig
<b>Immunogen</b>	Recombinant Pig Complement C3 protein expressed by E.coli
<b>Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Conjugation</b>	Unconjugated
<b>buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

## Applications

## Recommended Dilution

<b>ELISA Capture</b>	2-8 µg/mL
<b>ELISA Detector</b>	0.1-0.4 µg/mL

## Data



Sandwich ELISA-Recombinant Pig Complement C3 protein standard curve. Background subtracted standard curve using Complement C3 antibody(AN000660P) (Capture), Complement C3 antibody(AN000660P)(Detector) in sandwich ELISA. The reference range value for Recombinant Pig Complement C3 protein is 0.78-50 ng/mL.

## Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

## Background

The complement system is an important effector which bridges the innate and adaptive immune systems. The third component of complement, C3, plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. Human C3, composed of  $\alpha$  and  $\beta$  chains (115 and 75 kDa, respectively). Activation of C3 convertase cleaves the C3  $\alpha$ -subunit to generate C3a, which acts as an anaphylatoxin to mediate the local inflammatory response. C3b is further cleaved into iC3b, C3c, C3dg, and C3f.

## For Research Use Only