

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

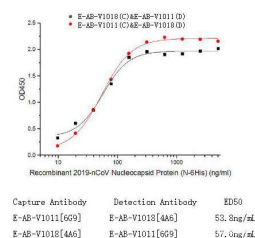
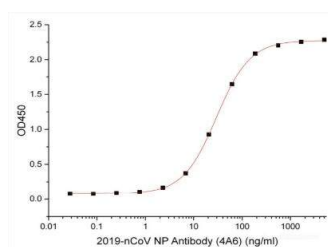
## Description

<b>Reactivity</b>	SARS-COV2
<b>Immunogen</b>	Recombinant 2019-nCoV Nucleocapsid Protein (His Tag)
<b>Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Clone</b>	4A6
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS, pH 7.4

## Applications Recommended Dilution

<b>ELISA</b>	1:5000-1:10000
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## Data



Immobilized 2019-nCoV Nucleocapsid Protein (Cat#PKSR030485) at 5.0 µg/mL (100 µL/well) can bind 2019-nCoV NP Antibody (4A9)(Cat#E-AB-V1018) , the EC50 for this effect is 29.8 ng/mL.

## Preparation & Storage

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

## Background

Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.

## For Research Use Only

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