SARS-COV-2 NP Monoclonal Antibody(2019-nCoV)

catalog number: **E-AB-V1011**

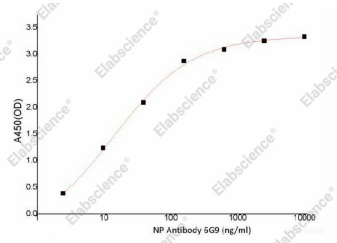
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

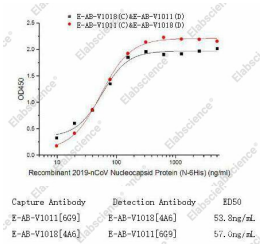
Reactivity	SARS-COV2
Immunogen	Recombinant 2019-nCoV Nucleocapsid Protein
Host	Human
Isotype	Human IgG1
Clone	6G9
Buffer	0.2 μm filtered solution in PBS.

Applications	Recommended Dilution
ELISA	1:5000-1:10000

Data



Immobilized 2019-nCoV Nucleocapsid Protein at 5.0 ug/mL (100 uL/well) can bind SARS-CoV2-NP Antibody (6G9) , the EC50 is less than 13.78 ng/mL.



Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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.

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