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

Catalog Number:E-AB-V1011

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

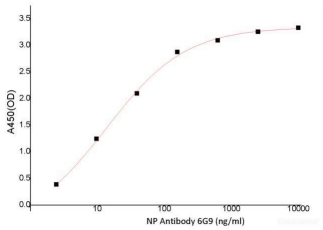
Description

Reactivity	SARS-COV2
Immunogen	Recombinant 2019-nCoV Nucleocapsid Protein
Host	Human
Isotype	IgG1
Clone	6G9
Conjugation	Unconjugated
Formulation	PBS, pH 7.4

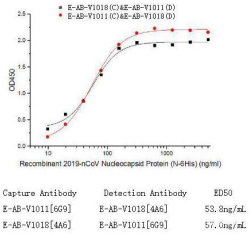
Applications — Recommended Dilution

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℃. 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.

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Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com