

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

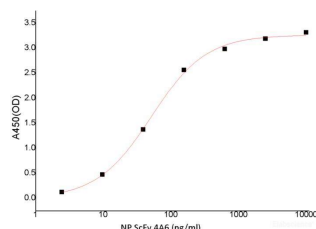
Description

Reactivity	SARS-COV2
Immunogen	Recombinant 2019-nCoV Nucleocapsid Protein
Host	Mouse / Human
Isotype	IgG1
Clone	4A6
Conjugation	Unconjugated
Formulation	20mM PB, 150mM NaCl, pH 7.4

Applications Recommended Dilution

ELISA	1:5000-1:10000
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Data



Immobilized 2019-nCoV Nucleocapsid Protein at 5.0 ug/mL (100 uL/well) can bind Recombinant anti-SARS-CoV2-NP ScFv (4A6), the EC₅₀ is less than 51.29 ng/mL.

Preparation & Storage

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

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017