

SARS-COV-2 NP ScFv Monoclonal Antibody

Catalog No.:	E-AB-V1012	Applications:	ELISA
Storage:	Store at -20 °C, Avoid freeze / thaw cycles	Clone No.	4A6

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

Antigen Information

Alternate Names coronavirus NP,coronavirus Nucleocapsid,coronavirus Nucleoprotein,cov np,ncov NP,novel coronavirus NP,novel coronavirus Nucleocapsid,novel coronavirus Nucleoprotein,NP,Nucleocapsid,Nucleoprotein Antibody

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.

Product Details

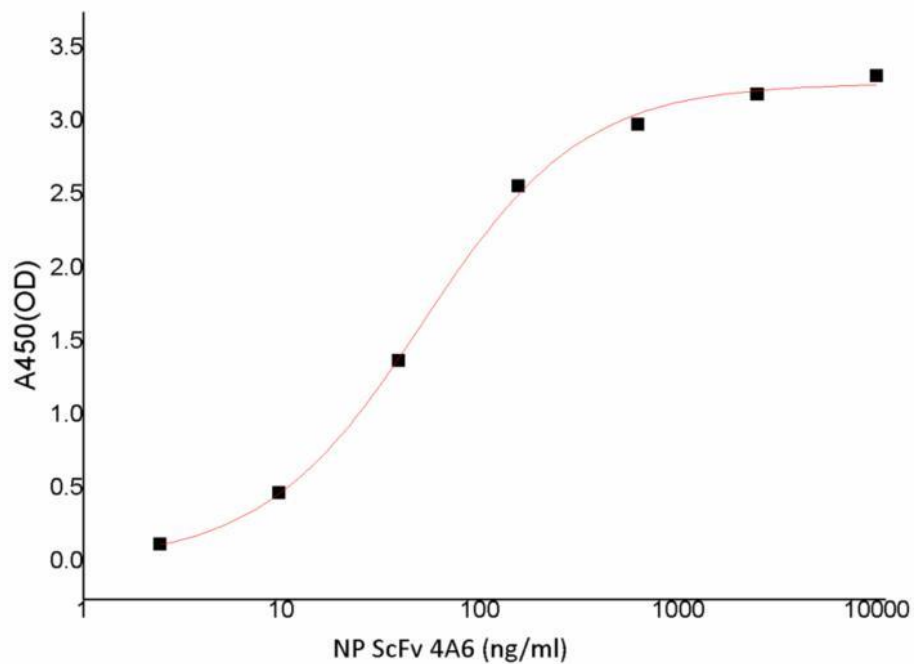
Clone No.	4A6
Host	Mouse / Human
Isotype	IgG1
Immunogen	Recombinant 2019-nCoV Nucleocapsid Protein [PKSR030485]
Application	ELISA
Reactivity	SARS-COV2
Dilution	ELISA 1:5,000-10,000
Storage Buffer	20mM PB, 150mM NaCl, pH 7.4
Stability & Storage	Ships on ice packs. Store at -20°C
Description	It is a chimeric monoclonal antibody combining the constant domains of the human IgG1 molecule with mouse variable regions. The variable region was obtained from a mouse immunized with purified Recombinant 2019-nCoV Nucleocapsid Protein. The antibody was produced using recombinant antibody technology.

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Images



Immobilized 2019-nCoV Nucleocapsid Protein at 5.0 $\mu\text{g/ml}$ (100 $\mu\text{L/well}$) can bind Recombinant anti-SARS-CoV2-NP ScFv (4A6), the EC_{50} is less than 51.29 ng/ml .

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Applications: **WB**-Western Blot **IHC**-Immunohistochemistry **IF**-Immunofluorescence **IP**-Immunoprecipitation **FC**-Flow cytometry **ChIP**:Chromatin Immunoprecipitation