

**DATASHEET**

**COVID-19 Nucleocapsid Protein scFv E.coli Monoclonal Antibody(C2472)**

CAT. NO. AMA02084

**KEY FEATURES**

Target	COVID-19 Nucleocapsid Protein scFv	Source / Host	E.coli
Reactivity	COVID-19	Clonality	Monoclonal
Applications	ELISA	Conjugation	Unconjugated
Form / Buffer	1 mg/ml. IgG1. Liquid in 0.02M Phosphate Buffered Saline, pH 7.4.	Storage	at-20°C

**BACKGROUND**

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 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. Attenuates the stress granules formation by reducing host G3BP1 access to host mRNAs under stress conditions .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

ELISA	Use at an assay dependent dilution.
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Recombinant monoclonal antibody is produced by E.coli expression system with a 6His, Flag tag at the C-terminus, and recognizes COVID-19 Nucleocapsid protein single-chain variable fragment.
Specificity	Recognizes COVID-19 Nucleocapsid protein single-chain variable fragment.
Antibody Type	Primary antibody
Purification	>95%
Form/Buffer	1 mg/ml. IgG1. Liquid in 0.02M Phosphate Buffered Saline, pH 7.4.
Alternative Names	Nucleoprotein; Nucleocapsid protein; NC; Protein N
Gene Symbol	N
Entrez Gene	43740575(Human)
SwissProt	P0DTC9(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

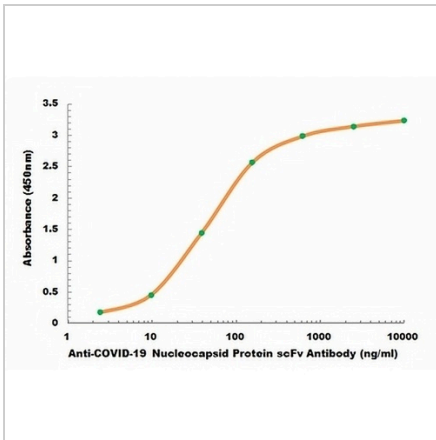
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Indirect ELISA analysis of COVID-19 Nucleocapsid Protein. Coat a 96-well microplate with 100 µl per well of 5 µg/ml COVID-19 Nucleocapsid Protein.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.