EliteRmab®

SARS-CoV Nucleoprotein / NP Antibody, Rabbit MAb

Sino Biological
Biological Solution Specialist

Catalog Number: **40143-R001**

GENERAL INFORMATION

Immunogen:	Recombinant SARS-CoV Nucleoprotein / NP Protein (Catalog#40143-V08B)
Preparation	This product is a recombinant monoclonal antibody expressed from HEK293 cells.
Ig Type:	Rabbit IgG
Clone ID:	001
Specificity:	SARS-CoV Nucleocapsid Protein **Has cross-reactivity in ELISA and WB with** SARS-CoV-2 Nucleocapsid Protein (Cat# 40588-V08B) **Has cross-reactivity in ELISA with** SARS-CoV-2 Omicron (B.1.1.529) Nucleocapsid Protein (Cat #40588-V07E34) SARS-CoV-2 Omicron (BA.2) Nucleocapsid Protein (Cat# 40588-V07E35) SARS-CoV-2 Omicron XE(BA.1 x BA.2) Nucleocapsid Protein (Cat# 40588-V07E36) SARS-CoV-2 Omicron (BA.4) Nucleocapsid Protein (Cat# 40588-V07E37) SARS-CoV-2 Delta (B.1.617) Nucleocapsid (D377Y) Protein (Cat# 40588-V07E16) SARS-CoV-2 Delta (B.1.617) Nucleocapsid (R203M, D377Y) Protein (Cat# 40588-V07E20) SARS-CoV-2 Delta (B.1.617.2) Nucleocapsid Protein (Cat# 40588-V07E29) SARS-CoV-2 Delta (B.1.617.3) Nucleocapsid (P67S, R203M, D377Y) Protein (Cat# 40588-V07E30) SARS-CoV-2 Alpha (B.1.1.7) Nucleocapsid(R203K, G204R) Protein (Cat# 40588-V07E1) SARS-CoV-2 Alpha (B.1.1.7) Nucleocapsid(I292T) Protein (Cat# 40588-V07E4) SARS-CoV-2 Alpha (B.1.1.7) Nucleocapsid(D3L, R203K, G204R, S235F) Protein (Cat# 40588-V07E7) SARS-CoV-2 Alpha (B.1.1.7) Nucleocapsid(D3L, S235F) Protein (Cat# 40588-V07E8) SARS-CoV-2 Alpha(B.1.1.7/ B.1.237) Nucleocapsid(S194L) Protein (Cat# 40588-V07E3) SARS-CoV-2 Alpha/beta(B.1.1.7/ B.1.351/ A.2.2) Nucleocapsid(P13L) Protein (Cat# 40588-V07E2) SARS-CoV-2 Beta(B.1.351/B.1.351.2/b.1.351.3/B.1.427/B.1.429) Nucleocapsid (T205I) Protein (Cat# 40588-V07E9) SARS-CoV-2 Gamma(P.1/ P.1.1/ P.1.2) Nucleocapsid (P80R) Protein (Cat# 40588-V07E11) SARS-CoV-2 Eta(B.1.525) Nucleocapsid (A12G, T205I) Protein (Cat# 40588-V07E19) SARS-CoV-2 Nucleocapsid Protein (Cat# 40588-V07E)^I **No cross-reactivity in ELISA with** MERS-CoV Nucleocapsid protein (Cat# 40068-V08B) HCoV-229E Nucleocapsid protein (Cat# 40640-V07E) HCoV-NL63 Nucleocapsid protein (Cat# 40641-V07E) HCoV-HKU1(isolate N5) Nucleocapsid protein (Cat# 40642-V07E) HCoV-OC43 Nucleocapsid protein (Cat# 40643-V07E)
Formulation:	0.2 μm filtered solution in PBS
Storage:	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Alternative Names:	NP

APPLICATIONS

Applications:	WB,ELISA,IHC-P,ICC/IF
	(Antibody's applications have not been validated with corresponding viruses. Optimal concentrations/dilutions should be determined by the end user.)

RECOMMENDED CONCENTRATION

Western Blot	WB: 1:5000-1:20000
ELISA	ELISA: 1:5000-1:10000
IHC-P	IHC-P: 1:5000-1:20000
ICC/IF	IF: 1:20-1:100

Please Note: Optimal concentrations/dilutions should be determined by the end user.

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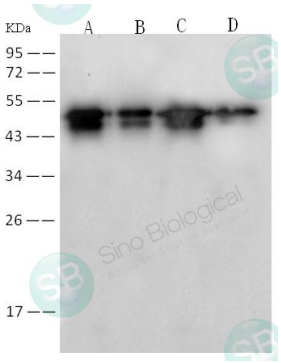
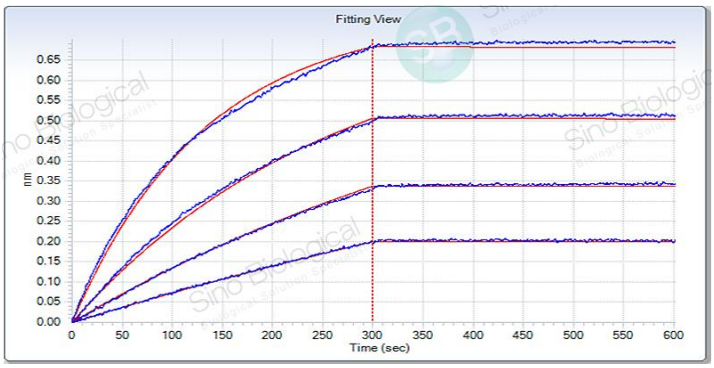


Anti-SARS-NP rabbit
monoclonal antibody at 1:2000 dilution.

Lane A: SARS-CoV NP Protein (Cat#40143-V08B) (30ng)
Lane B: SARS-CoV NP Protein (Cat#40143-V08B) (5ng)
Lane C: SARS-CoV-2 (2019-nCoV) NP Protein (Cat#40588-V08B) (30ng)
Lane D: SARS-CoV-2 (2019-nCoV) NP Protein (Cat#40588-V08B) (5ng)

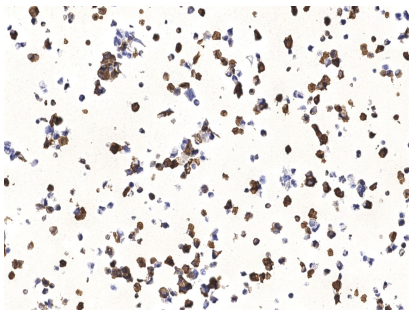
Secondary
Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.

Developed using the ECL technique.
Performed under reducing conditions.

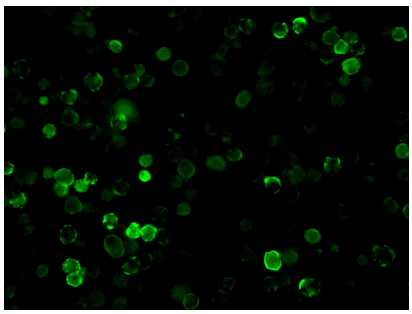


Loaded SARS-CoV-2 (2019-nCoV) Nucleocapsid-His recombinant Protein,Biotinylated (Cat.No.1 40588-V08B-B) on SA Biosensor, can bind SARS-CoV/SARS-CoV-2 Nucleocapsid Antibody, Rabbit MAb (Cat.No. 40143-R001) with an affinity constant of 0.02 nM as determined by Octet RED System.

(Validation Experiment)



Immunochemical analysis of SARS-COV-2 Nucleocapsid overexpressed HEK293 Cells were stained with purified anti-SARS Nucleocapsid Rabbit Mab,then a HRP-conjugated second step antibody.



Immunofluorescence analysis of SARS-COV-2 Nucleocapsid overexpressed HEK293 Cells were stained with purified anti-SARS Nucleocapsid Rabbit Mab,then a Alexa Fluor®488-conjugated second step antibody.

(Validation Experiment)