

SARS-CoV-2 (2019-nCoV) Nucleocapsid Antibody, Rabbit MAb



Sino Biological
Biological Solution Specialist

Catalog Number: 40588-RB30

GENERAL INFORMATION	
Immunogen:	Recombinant SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (Catalog#40588-V08B)
Preparation	This product is a recombinant monoclonal antibody expressed from HEK293 cells.
Ig Type:	Rabbit IgG
Clone ID:	B30
Specificity	SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein
	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.1.617.2) Nucleocapsid Protein (Cat# 40588-V07E29) SARS-CoV-2 Nucleocapsid Protein (Cat# 40588-V08B) SARS-CoV Nucleocapsid Protein (Cat# 40143-V08B)^I No cross-reactivity in ELISA with MERS-CoV Nucleocapsid protein (Cat# 40068-V08B) HCoV-229E Nucleocapsid Protein (Cat# 40640-V07E) HCoV-HKU1 Nucleocapsid Protein (Cat# 40642-V07E) HCoV-NL63 Nucleocapsid Protein (Cat# 40641-V07E) HCoV-OC43 Nucleocapsid Protein (Cat# 40643-V07E) H1N1 (A/California/07/2009) NP Protein (Cat# 40205-V08B) H2N2 (A/Ann Arbor/6/1960) NP Protein (Cat# 40033-V08B) H3N2 (A/Switzerland/9715293/2013) NP Protein (Cat# 40499-V08B) H7N9 (A/Shanghai/2/2013) NP Protein (Cat# 40111-V08B) Influenza B (B/Florida/4/2006) NP Protein (Cat# 40438-V08B)
Formulation:	0.2 µm filtered solution in PBS
Storage:	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.
APPLICATIONS	
Applications:	WB,ELISA,FCM,IP,ICC/IF,ELISA(Det)
	(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
FCM	FCM: 1:25-1:100
IP	IP:1-5µL/mg of lysate
ICC/IF	IF: 1:20-1:100
ELISA(Det)	ELISA(Det): 1:1000-1:10000 In a sandwich ELISA, Cat# 40588-RB30 can be used as detection antibody when paired with Cat# 40143-R004. In a sandwich ELISA, Cat# 40588-RB30 can be used as detection antibody when paired with Cat# 40588-MM150.

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

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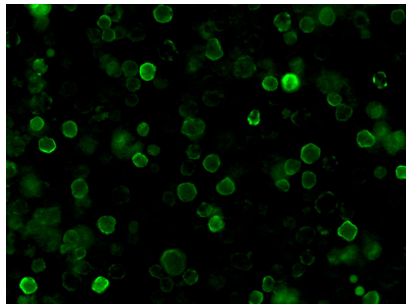
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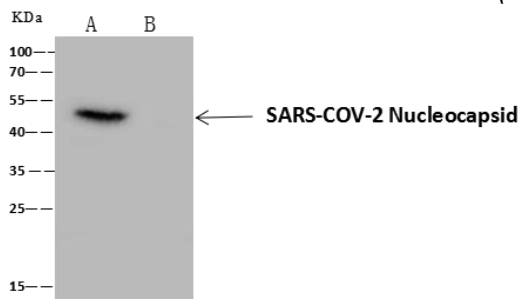
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Immunofluorescence analysis of SARS-CoV-2 Nucleocapsid overexpressed HEK293 Cells were stained with purified anti-SARS-CoV-2 Nucleocapsid Rabbit MAb, then a Alexa Fluor@488-conjugated second step antibody.

(Validation Experiment)



SARS-CoV-2 Nucleocapsid was immunoprecipitated using:
Lane A: 0.5 mg SARS-CoV-2 Nucleocapsid overexpressed HEK293 Whole Cell Lysate
Lane B: 0.5 mg HEK293 Whole Cell Lysate

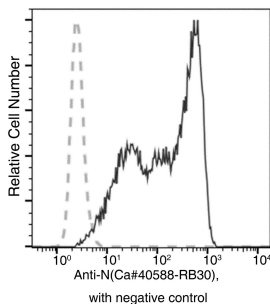
4 μ L anti- SARS-CoV-2 Nucleocapsid rabbit polyclonal antibody and 60 μ g of Immunomagnetic beads Protein A/G.

Primary antibody:
Anti- SARS-CoV-2 Nucleocapsid rabbit polyclonal antibody, at 1:100 dilution

Secondary antibody:
Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution

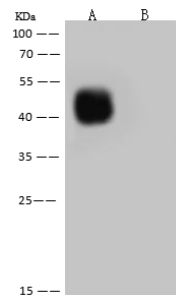
Developed using the ECL technique.
Performed under reducing conditions.

(Validation Experiment)



Flow cytometric analysis of SARS-CoV-2 Nucleocapsid overexpressed HEK293 Cells were stained with purified anti-SARS-CoV-2 Nucleocapsid Rabbit MAb, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

(Validation Experiment)



Anti-SARS-CoV-2 (2019-nCoV) Nucleocapsid rabbit monoclonal antibody at 1:5000 dilution.

Lane A: SARS-CoV-2 Nucleocapsid overexpressed HEK293 Whole Cell Lysate
Lane B: HEK293 Whole Cell Lysate

Lysates/proteins at 30 μ g per lane.

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

Developed using the ECL technique.
Performed under reducing conditions.

(Validation Experiment)

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