

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



Sino Biological
Biological Solution Specialist

Catalog Number: 40588-MM124

GENERAL INFORMATION

Immunogen:	Recombinant SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (Catalog#40588-V08B)
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, SARS-CoV-2 (2019-nCoV) Nucleocapsid (Catalog#40588-V08B; YP_009724397.2(335Gly/Ala); Met1-Ala419). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Ig Type:	Mouse IgG1
Clone ID:	124
Specificity	SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein Has cross-reactivity in WB and ELISA with SARS-CoV NP Protein (Cat#40143-V08B) No cross-reactivity in ELISA with MERS-CoV NP Protein (Cat# 40068-V08B) HCoV-229E NP Protein (Cat# 40640-V07E) HCoV-NL63 NP Protein (Cat# 40641-V07E) HCoV-HKU1 NP Protein (Cat# 40642-V07E) HCoV-OC43 NP Protein (Cat# 40643-V07E)
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,ELISA(Cap),ELISA(Det),IHC-P,FCM
	(Antibody's applications have not been validated with corresponding viruses. Optimal concentrations/dilutions should be determined by the end user.)

RECOMMENDED CONCENTRATION

WB	WB: 1:1000-1:10000
ELISA	ELISA: 1:1000-1:2000
IHC-P	IHC-P: 1:100-1:500
FCM	FCM: 1:25-1:100
ELISA(Cap)	ELISA(Cap): 1:250-1:2000 In a sandwich ELISA, Cat# 40588-MM124 can be used as capture antibody when paired with Cat# 40143-R040.
ELISA(Det)	ELISA(Det): 1:1000-1:10000 In a sandwich ELISA, Cat# 40588-MM124 can be used as detection antibody when paired with Cat# 40588-MM123, Cat# 40143-R040.

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

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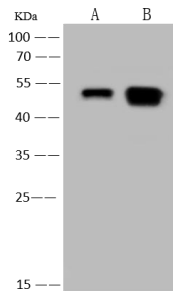
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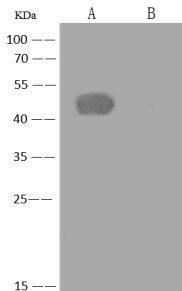


Anti-SARS-CoV-2 (2019-nCoV) Nucleocapsid mouse monoclonal antibody at 1:1000 dilution.

Lane A: SARS-CoV Nucleoprotein / NP Protein (Cat#40143-V08B) (10ng)
Lane B: SARS-CoV-2 (2019-nCoV) Nucleocapsid-His recombinant Protein (Cat#40588-V08B) (10ng)

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

Developed using the ECL technique.
Performed under reducing conditions.



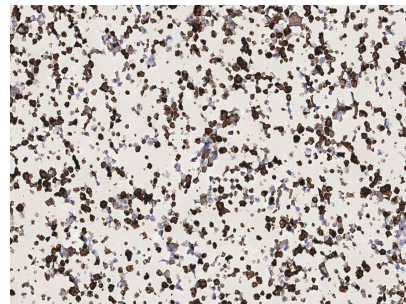
Anti-SARS-CoV-2 (2019-nCoV) Nucleocapsid mouse monoclonal antibody at 1:5000 dilution.

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

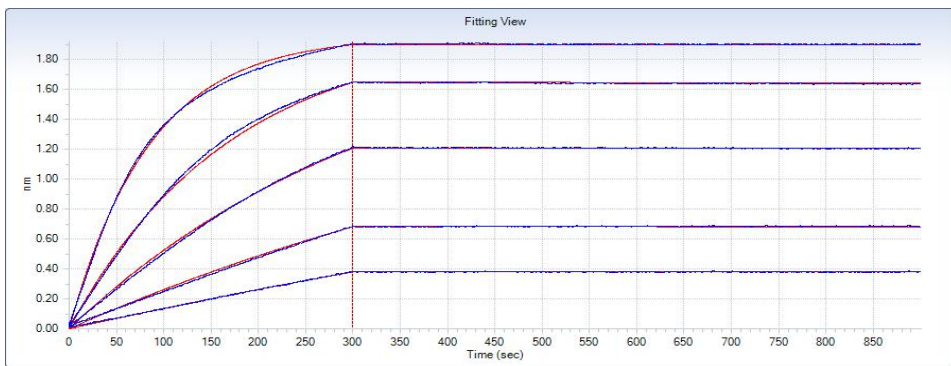
Lysates/proteins at 10 µg per lane.

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

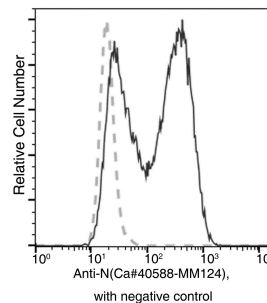
Developed using the ECL technique.
Performed under reducing conditions.



Immunofluorescence analysis of Nucleocapsid overexpressed HEK293 Cells stained with purified anti-SARS-CoV-2 Nucleocapsid Mouse Mab, then a HRP-conjugated second step antibody.



Loaded SARS-CoV-2 (2019-nCoV) Nucleocapsid-His recombinant Protein, Biotinylated (Cat. No. 40588-V08B-B) on SA Biosensor, can bind SARS-CoV-2 (2019-nCoV) Nucleocapsid Antibody, Mouse MAb (Cat. No. 40588-MM124) with an affinity constant of 0.01 nM as determined by Octet RED System.



Flow cytometric analysis of SARS-CoV-2 Nucleocapsid overexpressed HEK293 Cells stained with purified anti-SARS-CoV-2 Nucleocapsid Mouse 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.

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