

# SARS-CoV / SARS-CoV-2 Nucleocapsid Antibody, Chimeric MAb



Sino Biological  
Biological Solution Specialist

Catalog Number: 40143-MM05TB

## GENERAL INFORMATION

<b>Immunogen:</b>	Recombinant SARS-CoV Nucleoprotein / NP Protein (Catalog#40143-V08B)
<b>Preparation</b>	It is a chimeric monoclonal antibody combining the human IgG1 Fc molecule with mouse scFv, and the variable region was from mouse monoclonal antibody (Cat#40143-MM05). The chimeric monoclonal antibody was produced using recombinant antibody technology.
<b>Ig Type:</b>	Mouse scFv / human IgG1 Fc
<b>Clone ID:</b>	05
<b>Specificity:</b>	SARS-CoV Nucleocapsid Protein Has cross-reactivity in ELISA with SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (Cat# 40588-V08B)
<b>Formulation:</b>	0.2 µm filtered solution in PBS
<b>Storage:</b>	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. Avoid repeated freeze-thaw cycles.
<b>Alternative Names:</b>	NP

## APPLICATIONS

<b>Applications:</b>	WB,ELISA,FCM,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

<b>Western Blot</b>	WB: 1:2000-1:5000
<b>ELISA</b>	ELISA: 1:1000-1:2000
<b>FCM</b>	FCM: 1:25-1:100
<b>IHC-P</b>	IHC-P: 1:100-1:500
<b>ICC/IF</b>	IF: 1:20-1:100

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

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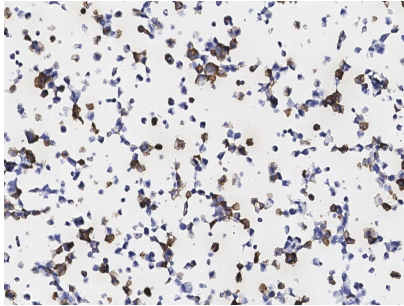
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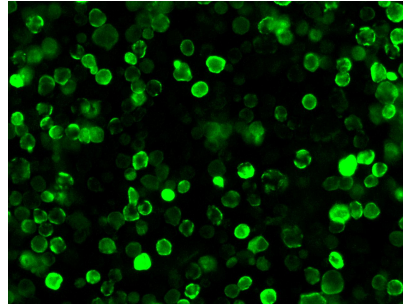


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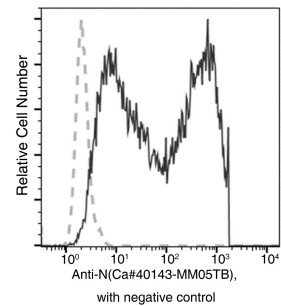
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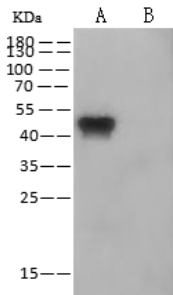
Immunohistochemical analysis of SARS-CoV-2 Nucleocapsid overexpressed HEK293 Cells were stained with purified anti-SARS Nucleocapsid Chimera Mab, then a HRP-conjugated second step antibody.



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



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



## Anti-SARS-CoV / SARS-CoV-2 Nucleocapsid Chimeric monoclonal antibody at 1:2000 dilution.

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

Lysates/proteins at 30  $\mu$ g per lane.

### Secondary

Goat Anti-Human IgG Fc/HRP at 1/1000 dilution

Developed using the ECL technique.  
Performed under reducing conditions.

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