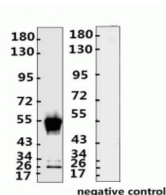




# SARS-CoV-2 (COVID-19) Nucleocapsid Monoclonal Antibody [N009]

Cat. No.: 10-543



**Figure 1 Western Blot Validation with Recombinant Protein**

Loading: 1 µg of SARS-CoV-2 (COVID-19) nucleocapsid recombinant protein, 10-007, per lane. Antibodies: SARS-CoV-2 (COVID-19) Nucleocapsid Monoclonal Antibody, 10-543, 1:2000. Sec

**ELISA experiment**

	OD	Dilution
A	2.635	1:10000
B	2.402	1:20000
C	2.223	1:40000
D	1.878	1:80000
E	1.45	1:160000
F	1.015	1:320000
G	0.666	1:640000
H	0.12	Blank control

**Figure 2 ELISA Test**

Coating original concentration: 2 µg/mL, 100 µL/well sample is SARS-CoV-2 (COVID-19) Nucleocapsid Recombinant Protein, 10-007.  
Antibodies: SARS-CoV-2 (COVID-19) Nucleocapsid Monoclonal Antibody, 10-543.  
Secondary: Goat anti-human IgG HRP conjugate at 1:10000 dilution.  
Develop: 15min, 100 µL/well.  
Stop: Stop buffer 50 µL/well.

## Ψ Specifications

<b>HOST SPECIES:</b>	Human
<b>SPECIES REACTIVITY:</b>	Virus
<b>IMMUNOGEN:</b>	Nucleocapsid recombinant protein
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: 1:320000; WB: 1:2000~3000

<b>PURIFICATION:</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>CLONALITY:</b>	Monoclonal
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	PBS with 0.02% sodium azide, 10% glycerol, pH7.2
<b>CONCENTRATION:</b>	batch dependent
<b>STORAGE CONDITIONS:</b>	Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

## Additional Info

<b>OFFICIAL SYMBOL:</b>	N
<b>ALTERNATE NAMES:</b>	SARS-CoV-2 (COVID-19, 2019-nCoV) Nucleocapsid Antibody; Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), Nucleocapsid Phosphoprotein, Nucleocapsid protein
<b>ACCESSION NO.:</b>	QHD43423.2
<b>GENE ID:</b>	43740575
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

## Background and References

<b>BACKGROUND:</b>	Fully humanized monoclonal antibody paired with human monoclonal antibody LOCUS:QHD43423 419aa linear VRL 18-MAR-2020 DEFINITION:nucleocapsid phosphoprotein [Severe acute respiratory syndrome coronavirus 2]. ACCESSION:QHD43423 VERSION:QHD43423.2 DBSOURCE:accession MN908947.3 SOURCE:Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) ORGANISM:Viruses; Riboviria; Nidovirales; Coronidovirineae; Coronaviridae; Orthocoronavirinae; Betacoronavirus; Sarbecovirus.
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