



SARS-CoV-2 (COVID-19) Nucleocapsid Monoclonal Antibody (N012)

Cat. No.: 10-546

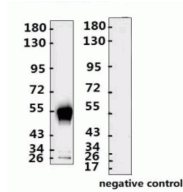


Figure 1 Western Blot Validation with Recombinant Protein

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, 10-546, 1:2000. Sec

ELISA experiment

	1	
A	2.907	1:10000
B	2.322	1:10000
C	2.185	1:40000
D	1.884	1:80000
E	1.212	1:160000
F	0.912	1:320000
G	0.52	1:640000
H	0.074	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, 10-546.
Secondary: Goat anti-human IgG HRP conjugate at 1:10000 dilution.
Develop: 15min, 100 µL/well.
Stop: Stop buffer 50 µL/well.

Ψ Specifications

HOST SPECIES:	Human
SPECIES REACTIVITY:	Virus
IMMUNOGEN:	Nucleocapsid recombinant protein
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: 1:160000; WB: 1:2000~3000

PURIFICATION:	Greater than 95% as determined by reducing SDS-PAGE.
CLONALITY:	Monoclonal
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	PBS with 0.02% sodium azide, 10% glycerol, pH7.2
CONCENTRATION:	0.40mg/ml
STORAGE CONDITIONS:	Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Ψ Additional Info

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

Ψ Background and References

BACKGROUND:	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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