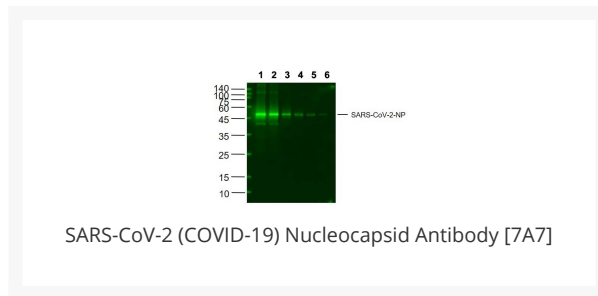




# SARS-CoV-2 (COVID-19) Nucleocapsid Antibody [7A7]

Cat. No.: 10-606



## Ψ Specifications

<b>HOST SPECIES:</b>	Mouse
<b>SPECIES REACTIVITY:</b>	Virus
<b>IMMUNOGEN:</b>	Recombinant SARS-CoV-2 N protein (His-tag)
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	WB(1:500-2000), ELISA(1:5000-1000)

## Ψ Properties

<b>PURIFICATION:</b>	Purified by Protein G.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	IgG2b
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	0.01M PBS(pH7.4) with 0.1% Proclin300
<b>CONCENTRATION:</b>	≥1 mg/mL

<b>STORAGE CONDITIONS:</b>	Store at 4° C short term. Aliquot and store at -20° C long term. Avoid freeze-thaw cycles.
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## Ψ Additional Info

<b>OFFICIAL SYMBOL:</b>	N
<b>ALTERNATE NAMES:</b>	SARS-CoV-2 Nucleocapsid Protein, SARS-CoV-2 NP, nucleocapsid protein [Severe acute respiratory syndrome coronavirus 2], novel coronavirus N Protein, novel coronavirus Nucleocapsid Protein, 2019-nCoV Nucleoprotein, 2019-nCoV N, 2019nCoV N, 2019-nCoV N Protein, 2019 peak N Protein, 2019-nCoV nucleocapsid protein.
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

## Ψ Background and References

<b>BACKGROUND:</b>	<p>Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.</p>
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