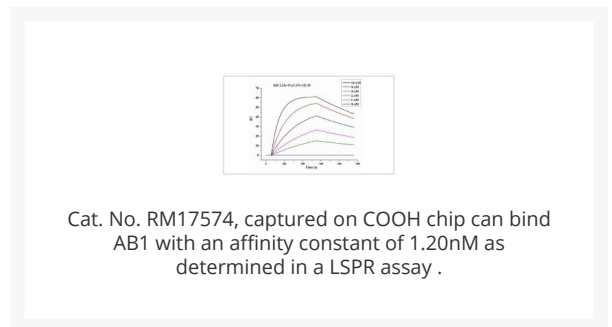
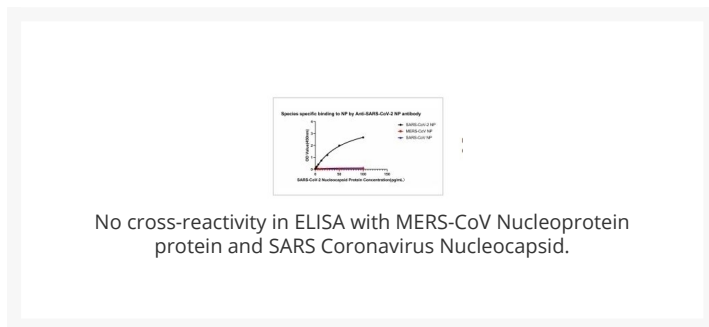
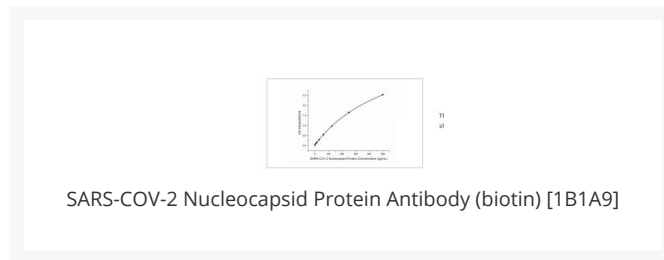




# SARS-COV-2 Nucleocapsid Protein Antibody (biotin) [1B1A9]

Cat. No.: 24-043



## Ψ Specifications

<b>HOST SPECIES:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	Virus
<b>IMMUNOGEN:</b>	Hek293 derived SARS-COV-2 Nucleocapsid Ser2-Ala419 Accession #YP_009724397.2
<b>TESTED APPLICATIONS:</b>	ELISA
<b>APPLICATIONS:</b>	SARS-COV-2 Nucleocapsid Sandwich Elisa: ELISA Capture: Recommended Concentration:1-4ug/mL, Sample: SARS-CoV-2 Nucleocapsid Protein Antibody (CAP) ELISA Detection: Recommended Concentration:0.05-0.2ug/mL, Sample: Biotinylated SARS-CoV-2 Nucleocapsid Protein Antibody Standard:Recommended Concentration: 1.56-100pg/mL, Sample: Recombinant SARS-COV-2 Nucleocapsid Protein with His tag
<b>SPECIFICITY:</b>	SARS-COV-2

<b>PURIFICATION:</b>	Affinity purification < 1.0 EU/ug of the protein by LAL method.
<b>CLONALITY:</b>	Polyclonal
<b>ISOTYPE:</b>	Rabbit IgG
<b>CONJUGATE:</b>	Biotin
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Supplied as a 0.2um filtered solution in PBS, pH 7.4 containing SARS-CoV-2 (2019-nCoV) Nucleocapsid Antibody at a concentration of 1mg/mL.
<b>CONCENTRATION:</b>	1 mg/ml
<b>STORAGE CONDITIONS:</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.

## 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>ACCESSION NO.:</b>	YP_009724397.2
<b>GENE ID:</b>	1489678
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

## Ψ Background and References

<b>BACKGROUND:</b>	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.
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