

Rev03  
 Update: Dec,14,2021

**DATASHEET**

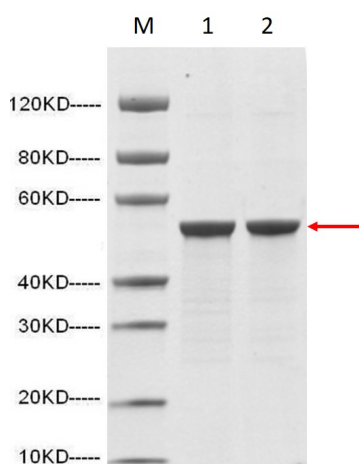
# SARS-CoV-2 Nucleocapsid protein (His Tag)

Cat. No.: Z03480

## Product Introduction

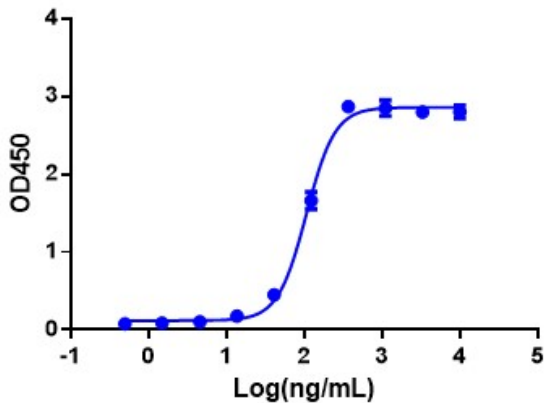
<b>Species</b>	SARS-CoV-2
<b>Protein Construction</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>N protein (Ser2-Ala419)</b>            Accession # P0DTC9         </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;"> <b>Poly-His</b> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 90% as analyzed by SDS-PAGE
<b>Biological Activity</b>	SARS-CoV-2 Nucleocapsid protein (His Tag) can bind with SARS-CoV-2 Nucleocapsid Antibody (HC2003), Human Chimeric(Cat. No. A02039) in functional ELISA assay.
<b>Expression System</b>	E. coli
<b>Theoretical Molecular Weight</b>	46 kDa
<b>Formulation</b>	Supplied as a solution in PBS pH 7.4 containing 10% glycerol.
<b>Concentration</b>	Please refer to the COA for the specific lot.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at -20°C or below. Avoid repeated freeze-thaw cycles.

## Examples



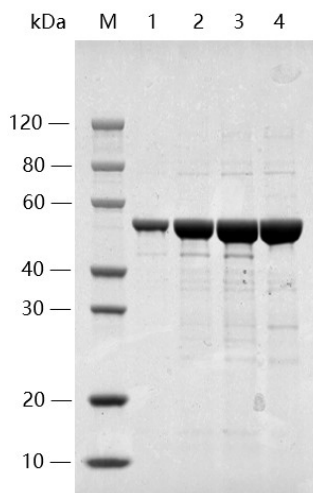
1: 2 µg of N-protein , reducing (R)  
 2: 2 µg of N-protein, non-reducing (N)  
 > 90% as analyzed by SDS-PAGE

### Z03480



Immobilized SARS-CoV-2 Nucleocapsid Antibody (HC2003), Human Chimeric (Cat. No. A02039) at 2 µg/mL can bind SARS-CoV-2 Nucleocapsid protein (His Tag) (Cat. No. Z03480) with a serial dilution.

SARS-CoV-2 Nucleocapsid Antibody (HC2003) conjugated Biotin and Streptavidin-HRP (M00091), are used as a secondary antibody (1 µg/mL, 0.2 µg/mL).



Lane 1: 1µg of SARS-CoV-2 Nucleocapsid protein (His Tag), reducing(R)

Lane 2: 3µg of SARS-CoV-2 Nucleocapsid protein (His Tag), reducing(R)

Lane 3: 5µg of SARS-CoV-2 Nucleocapsid protein (His Tag), reducing(R)

Lane 4: 5µg of SARS-CoV-2 Nucleocapsid protein (His Tag), non-reducing(NR)

> 90% as analyzed by SDS-PAGE

## Background

**Target Background :** SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. SARS-CoV-2 Nucleocapsid Protein is associated with nucleic acid. It is the most abundant protein for coronavirus. Because of the strong immunogenicity of coronavirus Nucleocapsid, it is believed that SARS-CoV-2 Nucleocapsid Protein has potential value for the diagnosis of the virus.

**Synonyms :** Coronavirus NP; coronavirus Nucleocapsid; coronavirus Nucleoprotein; Novel coronavirus Nucleoprotein; 2019-nCoV N protein

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**