

## 11-2003-B: SARS-CoV-2/COVID-19 Nucleocapsid biotinylated Antibody

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	ELISA
<b>Conjugate :</b>	Biotin
<b>Format :</b>	Purified
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	A partial length recombinant coronavirus Nucleocapsid protein (amino acids 250-410) was used as the immunogen for this antibody.

### Description

The structural nucleocapsid (N) protein of nCoV/SARS-CoV-2/COVID-19 is a predicted 46 kDa phosphoprotein having 419 amino acid residues. A short Serine rich stretch and a recognized nuclear localization signal are the unique features of the nucleocapsid protein of nCoV/SARS-CoV-2/COVID-19, which seems to have a little homology with the proteins of other members of this large corona virus family. These features also suggest the involvement of nucleocapsid protein of nCoV/SARS-CoV-2/COVID-19 in different stages of viral lifecycle. The protein has multifaceted activities including packing of the nCoV/SARS-CoV-2/COVID-19 viral genome into a helical ribonucleocapsid (RNP) and playing an important role in viral self-assembly causing nCoV/SARS-CoV-2/COVID-19. The nucleocapsid protein of nCoV/SARS-CoV-2/COVID-19 also forms dimer in the cell by self-association with the help of interactive C terminal domain.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein A Chromatography
<b>Content :</b>	100 µg or 25 µg in PBS with 0.05% Azide
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months.

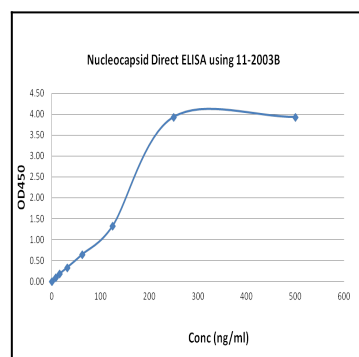


Fig.1: Wells of a 96-microtiter plate were coated with 4 µg/ml of SARS-CoV-2 Nucleocapsid protein (Cat#21-1003). The binding was detected by addition of different concentration of biotinylated anti-Nucleocapsid polyclonal antibody (Cat.# 11-2003-B) per well. The reactivity was detected by HRP-conjugated Streptavidin.