9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

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

Clonality :	Polyclonal
Application :	ELISA
Conjugate :	Biotin
Format :	Purified
Isotype :	Rabbit IgG
Immunogen Information :	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

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

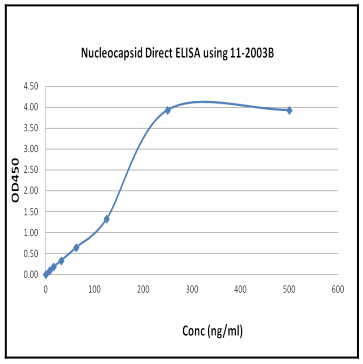

Fig.1: Wells of a 96-microtiter plate were coated with 4 Î¼g/ml of SARS-CoV-2 Nucleocapsid protein (Cat#21-1003). The binding was detected by addition of different concentration of biotinylated anti-Nucleocapsid polyclonal antibody (Cat.# 11-2003-B) per well. The reactivity was detected by HRP-conjugated Streptavidin.

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