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

10-2007: Recombinant Anti-SARS-CoV-2 Nucleocapsid antibody (ABMX-004)

Clonality : Monoclonal
Clone Name : ABMX-004
Application : Functional Assay,ELISA
Gene : N
Uniprot ID : P0DTC9
Isotype : Human IgG1 kappa

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 :	Affinity purified
Content :	0.5 mg/ml, 100 ug in sterile PBS
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

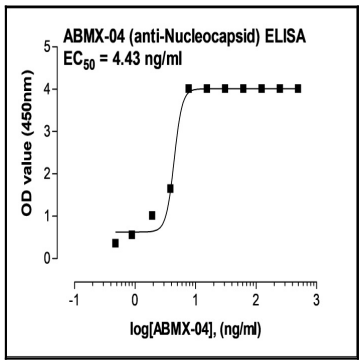

Fig-1: ELISA detection of Anti-SARS-CoV-2 Nucleocapsid antibody (ABMX-004) cat. no. 10-2007. An ELISA plate coated with 100 ng of Nucleocapsid protein (Abeomics, Cat. No. 21-1003) was incubated over night at 4C. Different concentrations of Anti-Nucleocapsid recombinant antibody (ABMX-004) was added to the plate. Goat anti-human FC HRP was used as detection antibody.

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