

## 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 :** 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.

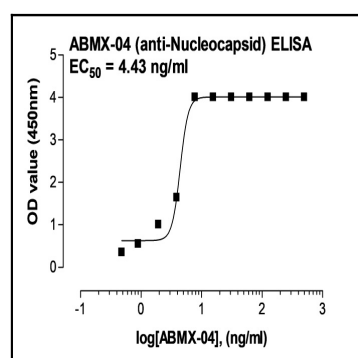


Fig-1: ELISA detection of Anti-SARS-CoV-2 Nucleocapsid antibody (ABMX-004) cat. no. 10-2007. An ELISA plate coated with 100 ng of Nucleocapsid protein (Abeomics, Cat. No. 21-1003) was incubated over night at 4°C. Different concentrations of Anti-Nucleocapsid recombinant antibody (ABMX-004) was added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