

## 12-9012: Anti-SARS-CoV-2 Nucleocapsid antibody(DM22), Rabbit mAb

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DM22
<b>Application :</b>	ELISA
<b>Alternative Name :</b>	SARS-CoV-2 Nucleocapsid
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Recombinant SARS-CoV-2 Nucleocapsid (Met1-Ala 419) produced by using E. coli

### Description

Coronavirus contain most of nucleocapsid protein. Coronavirus nucleoproteins (N proteins) localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. The nucleolus is the site of ribosome biogenesis and sequesters cell cycle regulatory complexes. Two of the major components of the nucleolus are fibrillarin and nucleolin. These proteins are involved in nucleolar assembly and ribosome biogenesis and act as chaperones for the import of proteins into the nucleolus. Regarding of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is a tool for diagnostic.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	Preservative: 0.1% Proline 300 Constituents: 50% Glycerol; PBS, pH 7.4; 0.1% BSA Not Sterile
<b>Storage condition :</b>	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

### Application Note

Recommended Dilutions ELISA 1/5000-1/10000

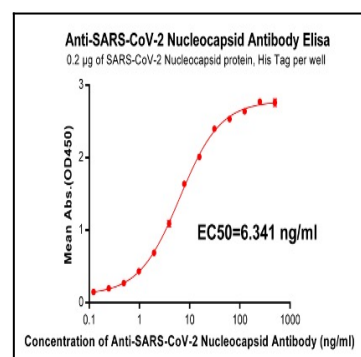


Figure 1. Elisa plate pre-coated by 2 µg/ml(100µl/well) SARS-CoV-2 Nucleocapsid protein, His Tag can bind Rabbit Anti-SARS-CoV-2 Nucleocapsid monoclonal antibody(clone:DM22) in a linear range of 0.24-62.5 ng/ml.