

PRODUCT INFORMATION

Clone ID DM22

Target Nucleocapsid

Synonyms SARS-CoV-2 Nucleocapsid

Host Species Rabbit

Anti-SARS-CoV-2 Nucleocapsid antibody(DM22); Description

Rabbit mAb

Delivery In Stock **Uniprot ID** P0DTC9 IgG type Rabbit IgG Clonality Monoclonal Reactivity SARS-CoV-2

Applications ELISA

Recommended

Background

ELISA 1:5000-10000 **Dilutions**

Purified from cell culture supernatant by affinity **Purification**

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before Reconstitution

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

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.

Usage Research use only Conjugate Unconjugated

> All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under

patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are

> Email: info@dimabio.com Website: www.dimabio.com

actively scrutinizing all patent application to

ensure no IP infringement.



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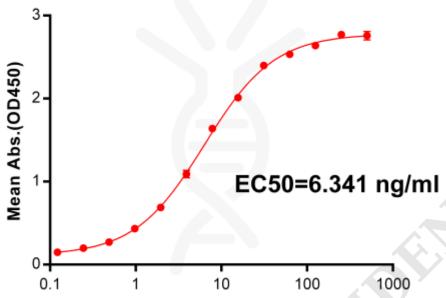
DIMA Disclaimer

Cat. No. DME100015



Anti-SARS-CoV-2 Nucleocapsid Antibody Elisa

0.2 μg of SARS-CoV-2 Nucleocapsid protein per well



Concentration of Anti-SARS-CoV-2 Nucleocapsid Antibody (ng/ml)

Figure 1. Elisa plate pre-coated by 2 μg/ml(100μl/well) SARS-CoV-2 Nucleocapsid protein, His Tag(Cat.No.[getskuurl sku="PME100459"]) can bind Rabbit Anti-SARS-CoV-2 Nucleocapsid monoclonal antibody(**clone:DM22**) in a linear range of 0.24-62.5 ng/ml.

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