Biotinylated Anti-SARS-CoV-2 Nucleocapsid antibody(DM22); Rabbit mAb

Cat. No. DME100015B

DIMA BIOTECH

## PRODUCT INFORMATION

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|---|---|
| **Clone ID** | DM22 |
| **Target** | Nucleocapsid |
| **Synonyms** | SARS-CoV-2 Nucleocapsid |
| **Host Species** | Rabbit |
| **Description** | Biotinylated Anti-SARS-CoV-2 Nucleocapsid antibody(DM22); Rabbit mAb |
| **Delivery** | 2-3 weeks |
| **Uniprot ID** | P0DTC9 |
| **IgG type** | Rabbit IgG |
| **Clonality** | Monoclonal |
| **Reactivity** | SARS-CoV-2 |
| **Applications** | ELISA |
| **Recommended Dilutions** | ELISA 1:5000-10000 |
| **Purification** | Purified from cell culture supernatant by affinity chromatography |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage & Shipping** | 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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | 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** | Biotinylated |
| **DIMA Disclaimer** | 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 actively scrutinizing all patent application to ensure no IP infringement. |



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