# Anti-SARS-CoV-2 Nucleocapsid antibody, Rabbit mAb

Catalog No: #29627

Package Size: #29627-1 10ug #29627-2 100ug

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

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| Product Name | Anti-SARS-CoV-2 Nucleocapsid antibody, Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal |
| Clone No. | DM22 |
| Isotype | Rabbit IgG |
| Purification | Purified from cell culture supernatant by affinity chromatography |
| Applications | ELISA |
| Species Reactivity | SARS-CoV-2 |
| Immunogen Description | Recombinant SARS-CoV-2 Nucleocapsid (Met1-Ala 419) produced by using E. coli |
| Conjugates | Unconjugated |
| Other Names | SARS-CoV-2 Nucleocapsid |
| Calculated MW | 45kDa |
| Formulation | Preservative: 0.1% Procline 300<br>Constituents: 50% Glycerol; PBS,pH 7.4; 0.1% BSA |
| Storage | Store at -20°C for 15 months (Avoid repeated freezing and thawing) |

## Application Details

ELISA 1/5000-10000

## Product Description

Format: Liquid

## 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.

## Published Papers

Bogers Hein;DeKoninck Philip L J;Fraaij Pieter L A;Freeman Liv;Husen Marjolein F;Koopmans Marion P G;Reiss Irwin K M;Schoenmakers Sam;Trietsch Marjolijn D;van der Eijk Annemiek A;van der Meeren Lotte E;Verdijk Robert M el at., Unique Severe COVID-19 Placental Signature Independent of Severity of Clinical Maternal Symptoms, , (2021)

PMID:34452534

Michelle Broekhuizen;Marie-Louise van der Hoorn;Disha Vadgama;Michael Eikmans;Bojou J Neecke;Johannes J Duvekot;Pieter Fraaij;Irwin K M

Reiss;Dana A M Mustafa;Lotte E van der Meeren;Sam Schoenmakers el at., Similar Spatial Expression of Immune-Related Proteins in SARS-CoV-2 Placentitis and Chronic Histiocytic Intervillositis., , (2025)

PMID:39821970