

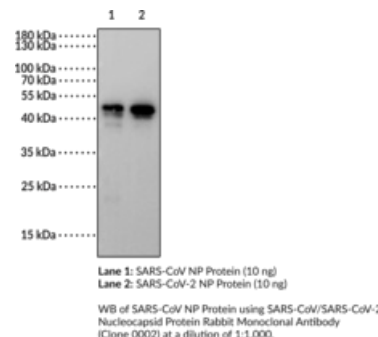


SARS-CoV/SARS-CoV-2 Nucleocapsid Protein Rabbit Monoclonal Antibody (Clone 0002)

Cat No: 33628 - 100 Åµl

General Data

Shipping:	dry ice
Formulation:	100 Åµl of protein A-purified monoclonal antibody
Host:	HEK293 cells
Antigen:	Recombinant SARS-CoV-2 nucleocapsid protein
Clone:	2
Isotype:	IgG



Application(s): ELISA, ELISA (capture), WB (reducing conditions)

Product Overview

Severe acute respiratory syndrome coronavirus (SARS-CoV) and SARS-CoV-2 nucleocapsid proteins are encoded by the N gene in SARS-CoV and SARS-CoV-2 RNA. SARS-CoV and SARS-CoV-2 are members of the Betacoronavirus genus of viruses that have approximately 79% sequence identity and share 27 T cell epitopes in common. The SARS-CoV-2 nucleocapsid protein has greater than 90% similarity to the SARS-CoV nucleocapsid protein and contains two unique B cell epitopes and two T cell epitopes that are structurally stable, non-allergenic, and induce production of IFN-γ. SARS-CoV and SARS-CoV-2 nucleocapsid proteins package the viral RNA into a helical ribonucleoprotein complex (RNP), which is a template for viral replication, and are integral for viral self-assembly and involved in regulation of the host cell cycle. SARS-CoV and SARS-CoV-2 are the causative agents of SARS and COVID-19, respectively, both of which are primarily respiratory illnesses characterized by fever, cough, and shortness of breath that can lead to life-threatening complications. Cayman's SARS-CoV/SARS-CoV-2 Nucleocapsid Protein Rabbit Monoclonal Antibody (Clone 0002) can be used for ELISA, ELISA (capture), and Western blot (WB; reducing conditions) applications.

FP/27/24

For research laboratory use only – Not for human diagnostic use.

Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

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