Product Details

Summary

Product name	Anti 2019-nCoV Nucleocapsid antibody(54#)
description	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant SARS-CoV-2(2019-nCoV) Nucleocapsid protein.
Accession #	P0DTC9
Alternative names	Nucleoprotein,N,NC,Protein N
Purity	Nucleoprotein,N,NC,Protein N
Stability &Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.
Spcificity	Recognizes SARS-CoV-2 Nucleocapsid protein
Isotype	IgG 1
Host	Mouse
Clonality	Monoclonal
Clone No.	54#
Conjugation	Unconjugated
Species reactivity	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)
Tested applications	ELISA
Immunogen	Recombinant SARS-CoV-2 Nucleocapsid protein(Met1-Ala419)

Background

Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.

Product performance

Form	Liquid
Buffer	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
Concentration	1.18mg/ml
MW	45kDa

Application

Dilution Range	Elisa:1:200-1:2000

Note

For research use only .Not for use in clinical diagnostic procedures.