



Mouse Anti-SARS-CoV-2 Nucleoprotein Monoclonal antibody, clone 7G21 (CABT-CS026)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Recognizes the SARS-CoV-2 N protein specifically, with minimum cross reactivity with the N proteins from SARS and MERS.
Target	SARS-CoV-2 Nucleocapsid Protein
Immunogen	synthetic peptide (PKKDKKKKADETQALPQRQKK a.a.368-388) of SARS-CoV-2 N protein.
Isotype	IgG
Source/Host	Mouse
Species Reactivity	SARS-CoV-2
Clone	7G21
Purification	> 95% based on SDS-PAGE
Conjugate	unconjugated
Applications	ELISA, WB
Format	Liquid
Concentration	1 mg/mL
Size	50 µg
Buffer	0.01M Tris-HCl, pH 8.0, 0.15M NaCl

Preservative	None
Storage	Store the product at -20°C . Product is stable for about 6 weeks at 2-8°C as an undiluted liquid. Prepare working dilution fresh each day. Avoid repeated freezing and thawing.

BACKGROUND

Introduction	SARS-CoV-2 is the virus responsible for COVID-19. It was previously known as 2019 Novel coronavirus (2019-nCov), is a positive-sense single-stranded RNA virus. SARS-CoV-2 has close genetic similarity to bat coronaviruses, from which it likely originated. An intermediate animal reservoir such as a pangolin is also thought to be involved in its introduction to humans. From a taxonomic perspective, SARS-CoV-2 is classified as a strain of the species severe acute respiratory syndrome-related coronavirus (SARS-CoV).
Keywords	SARS-CoV-2; coronavirus; SARS-CoV-2 NP; SARS-CoV-2 Nucleocapsid Protein