



Mouse Anti-SARS-CoV-2 Nucleoprotein Monoclonal antibody, clone 4B21 (CABT- CS027)

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

PRODUCT INFORMATION

Specificity	Recognizes the N proteins from both SARS-CoV-2 and SARS.
Target	SARS-CoV-2 Nucleocapsid Protein
Immunogen	synthetic peptide PSDSTGSNQNGERSGARSKQ corresponding to a.a.20-39 of SARS-CoV-2 N protein.
Isotype	IgG
Source/Host	Mouse
Species Reactivity	SARS-CoV-2, SARS
Clone	4B21
Purification	> 95% based on SDS–PAGE
Conjugate	unconjugated
Applications	ELISA, WB, IHC
Format	Liquid
Concentration	lot specific
Size	100 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 (SARSr-CoV).
Keywords	SARS-CoV-2; coronavirus; SARS-CoV-2 NP; SARS-CoV-2 Nucleocapsid Protein