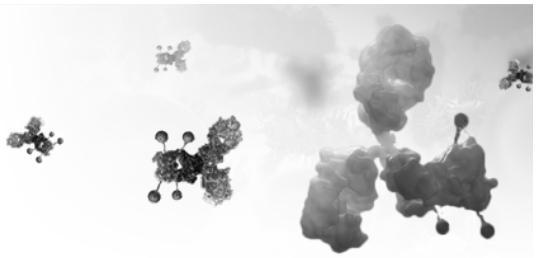

Mouse anti-SARS-COV-2 Spike Protein S2 monoclonal antibody, clone MN2220 (CABT-CS251)

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

PRODUCT INFORMATION

Target	SARS-CoV-2 S2
Immunogen	Recombinant SARS-CoV-2 S2 protein (COVID-19)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	SARS-CoV-2
Clone	MN2220
Purification	Ion Exchange Purified >90% by SDS-PAGE
Conjugate	unconjugated
Applications	ELISA, LFIA
Format	Liquid
Size	1 mg
Buffer	0.015M Potassium Phosphate, pH 7.2 with 0.85% Sodium Chloride
Preservative	0.05% Sodium Azide
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing.

BACKGROUND

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Introduction	The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. Known receptors bind S1 are ACE2, angiotensin-converting enzyme 2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic antigenrelated cell adhesion molecule 1; Sia, sialic acid; O-ac Sia, O-acetylated sialic acid. The spike is essential for both host specificity and viral infectivity. The term 'peplomer' is typically used to refer to a grouping of heterologous proteins on the virus surface that function together. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process.
Keywords	SARS-CoV-2; coronavirus; SARS-CoV-2 S2 ECD; SARS-CoV-2 spike protein; SARS-CoV-2 S2; SARS-CoV-2 ECD

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