



# Monkey Anti-SARS-CoV-2 S1 Polyclonal antibody (CABT-CS057)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Recognizes SARS-CoV-2 Spike Protein S1, cross reactivity with the S proteins from SARS and MERS not tested
<b>Target</b>	SARS-CoV-2 S1
<b>Immunogen</b>	CHO-expressed full length S1 with human IgG Fc fusion.
<b>Source/Host</b>	Monkey
<b>Species Reactivity</b>	SARS-CoV-2
<b>Purification</b>	Unpurified antiserum
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA, Neut
<b>Format</b>	Frozen liquid
<b>Size</b>	100 µl
<b>Preservative</b>	None
<b>Storage</b>	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

<b>Introduction</b>	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
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2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic antigen-related 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.

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**Keywords**

SARS-CoV-2; coronavirus; SARS-CoV-2 spike 1; SARS-CoV-2 spike protein; SARS-CoV-2 S1

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