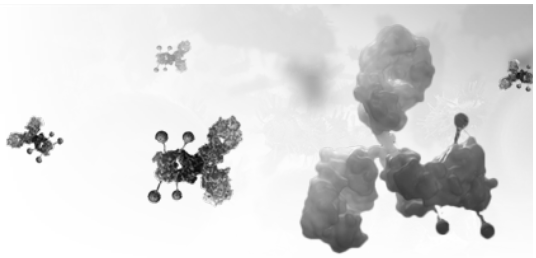

Human Anti-SARS-CoV-2 S1 Monoclonal antibody, clone BIB114 (CABT-CS033)

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

PRODUCT INFORMATION

Specificity	Binding to the S1 domain of the SARS-CoV-2 S protein.
Target	SARS-CoV-2 S1
Immunogen	SARS-CoV-2 S1
Isotype	IgG
Source/Host	Humanized
Species Reactivity	SARS-CoV-2
Clone	BIB114
Purification	≥95% as determined by SDS-PAGE. Protein A purified
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Concentration	1 mg/mL(may vary lot by lot)
Size	100 µg
Buffer	PBS or Tris-Gly
Preservative	None
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

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BACKGROUND

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

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