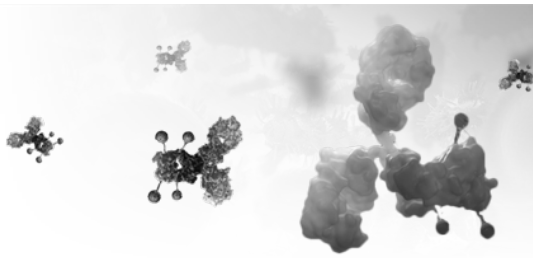

Human Anti-SARS-CoV-2 Spike RBD Monoclonal antibody, clone BIB116 (CABT-CS044)

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

PRODUCT INFORMATION

Specificity	SARS-CoV-2 Spike RBD
Target	SARS-CoV-2 Spike RBD
Immunogen	SARS-CoV-2 spike RBD
Isotype	IgM
Source/Host	ExpiCHO
Species Reactivity	SARS-CoV-2
Clone	BIB116
Purification	> 95%
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Size	10 µg, 200 µg, 1 mg
Buffer	PBS, pH7.2
Preservative	None
Storage	Store at -80°C. Avoid repeated freezing and thawing 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 RBD; SARS-CoV-2 spike protein

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