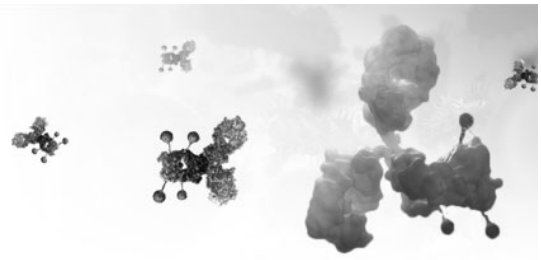

Rabbit Anti-SARS-CoV-2 Spike RBD Neutralizing Monoclonal antibody, clone 112 (CABT-CS079)

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

PRODUCT INFORMATION

Specificity	Has cross-reactivity in ELISA with SARS-CoV-2 Spike S1 Protein; No cross-reactivity in ELISA with SARS-CoV Spike S1 Protein.
Target	SARS-CoV-2 Spike RBD
Immunogen	Recombinant SARS-CoV-2 Spike RBD-mFc Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	SARS-CoV-2
Clone	112
Purification	Protein A
Conjugate	unconjugated
Applications	ELISA, WB, Neut
Format	Liquid
Size	100 µg
Buffer	PBS
Preservative	None

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Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

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; SARS-CoV-2 spike RBD; SARS-CoV-2 S1 RBD; SARS-CoV-2 RBD; SARS-CoV-2 S1; SARS-CoV-2 spike

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