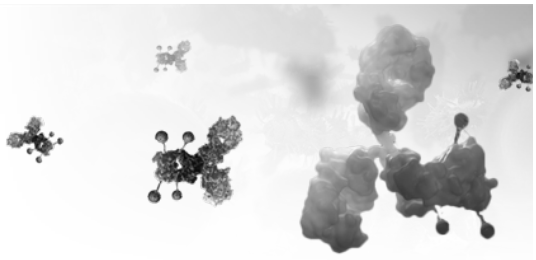

Humanized Anti-SARS-CoV-2 Spike Chimeric Monoclonal antibody, Clone E112 (CABT-CS305)

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 Spike S1 Protein, SARS-CoV-2 Spike S1 Protein, SARS-CoV-2 Spike RBD Protein.
Target	SARS-CoV-2 Spike Protein
Immunogen	Recombinant SARS-CoV Spike RBD Protein
Isotype	IgG1
Source/Host	Mouse/Human
Species Reactivity	SARS-CoV-2; SARS-CoV
Clone	E112
Purification	Protein A
Conjugate	Unconjugated
Applications	ELISA, FCM, ICC/IF, Neut
Format	Liquid
Size	50 µl
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 is known to be essential in the binding of the virus to the host cell at the advent of the infection process. It's been reported that SARS-CoV-2 (COVID-19 coronavirus, 2019-nCoV) can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.
Keywords	SARS-CoV; SARS-CoV Spike S1; SARS-CoV S1; SARS-CoV-2; SARS-CoV-2 Spike S1; SARS-CoV-2 Spike RBD; SARS-CoV-2 S1; SARS-CoV-2 RBD; SARS-CoV-2 Spike Protein

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