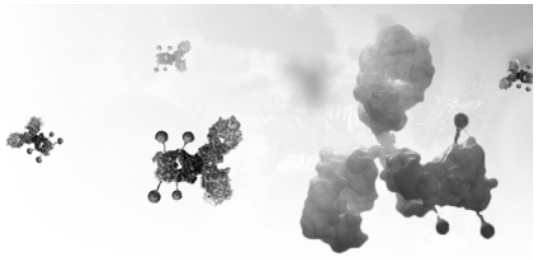

Mouse Anti-SARS-CoV-2 Spike Monoclonal antibody, Clone 246 (CABT-CS312)

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, SARS-CoV-2 Spike RBD Protein, SARS-CoV-2 Spike S1+S2 ECD Protein.
Target	SARS-CoV-2 Spike Protein
Immunogen	Recombinant SARS-CoV-2 Spike RBD-his Protein
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	SARS-CoV-2
Clone	246
Purification	Protein A
Conjugate	Unconjugated
Applications	ELISA, IHC-P, FCM, ICC/IF, Neut
Format	Liquid
Size	100 µg
Buffer	PBS
Preservative	None
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 -

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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-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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