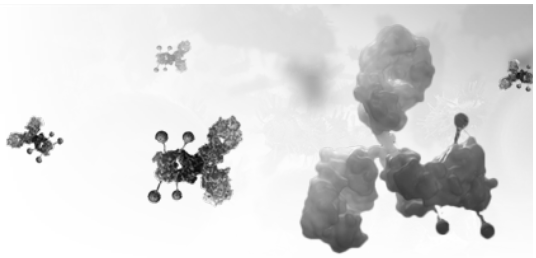

Mouse Anti-SARS-CoV-2 Spike RBD monoclonal Antibody, Omicron Reactive, clone 228 (CABT-B2107)

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 RBD Protein (Omicron variant) SARS-CoV-2 Spike RBD Protein (Delta variant) SARS-CoV-2 Spike RBD Protein (WT, no-variants)
Target	SARS-CoV-2 Spike RBD
Immunogen	Recombinant SARS-CoV-2 Spike RBD Protein
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	SARS-CoV-2
Clone	228
Purification	Protein A purified
Conjugate	unconjugated
Applications	ELISA, Neut
Format	Liquid
Size	100 µg
Buffer	0.2 µm filtered solution in PBS

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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.
Ship	This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

BACKGROUND

Introduction	The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. Known receptors that bind S1 are ACE2, DPP4, APN, etc. The spike protein is essential for both host specificity and viral infectivity. 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. 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 spike glycoprotein; SARS-CoV-2 spike; SARS-CoV-2; SARS-CoV; 2019-nCoV; Coronavirus; Human Coronavirus; HCoV; SARS; SARS CoV; SARS-CoV-2 S1; 2019-nCoV S1; COVID-19; SARS-CoV-2 S1;Omicron;Omicron variant;Delta variant;WT, no-variants

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