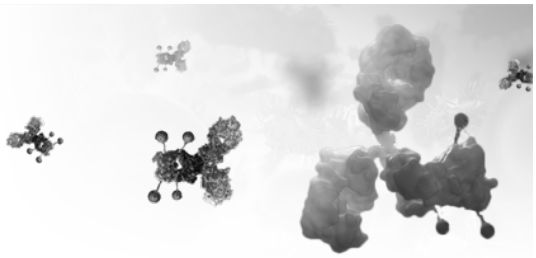

Mouse Anti-SARS-CoV-2 S2 Monoclonal antibody, clone 2B0 (CABT-CS080)

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

PRODUCT INFORMATION

Specificity	This antibody detects both SARS-CoV spike and SARS-CoV-2 spike proteins (S2 subunit). Our internal testing indicates no cross-reactivity with MERS-CoV spike protein.
Target	SARS-CoV-2 S2
Immunogen	The immunogen used to generate this antibody corresponds to SARS-CoV SΔ10 (within S2 domain) protein (1029-1192 a.a.).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	SARS-CoV-2, SARS
Clone	2B0
Purification	Affinity purified by Protein G.
Conjugate	unconjugated
Applications	WB, ICC/IF, IHC-P, FACS, IP, ELISA
Size	25 µl, 100 µl
Buffer	PBS
Preservative	None
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw 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; SARS-CoV-2 S2; SARS-CoV-2 spike; SARS-CoV-2 spike S2

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