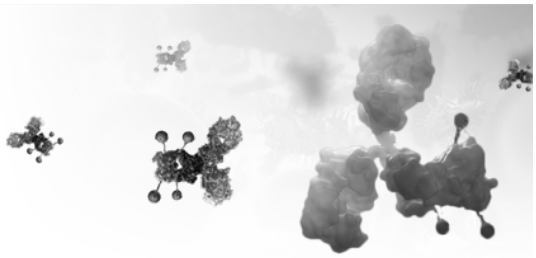

Sheep Anti-SARS-CoV-2 Spike RBD polyclonal antibody (CABT-CS320)

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

PRODUCT INFORMATION

Target	SARS-CoV-2 Spike RBD
Immunogen	HisTag recombinant protein covering RBD domain of coronavirus spike protein
Isotype	IgG
Source/Host	Sheep
Species Reactivity	SARS-CoV-2
Purification	Ammonium sulphate precipitation/Protein G
Conjugate	unconjugated
Applications	ELISA, WB, IF
Epitope	Corresponds to R319-G548-His6 (230aa)
Format	Lyophilized
Concentration	1mg/mL (200ug reconstituted in 200uL of water)
Size	200 µg
Buffer	30 mM Tris, 100 mM NaCl, 1 mM PMSF, 0.02% sodium azide.
Storage	Store at 4°C. Once reconstituted, store at 4°C short term. For long term storage, store at -20°C. It is recommended that multiple freeze thaw cycles are avoided.

BACKGROUND

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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

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