



Chicken Anti-SARS-CoV-2 Spike RBD Polyclonal antibody (CABT-CS140)

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

PRODUCT INFORMATION

Specificity	SARS-CoV-2 Spike RBD
Target	SARS-CoV-2 Spike RBD
Immunogen	Recombinant Spike-RBD 319-541_HIS. Expressed in HEK-cell Expi293F system. Protein carries a poly-his tag at the N-terminus.
Isotype	IgY
Source/Host	Chicken
Species Reactivity	SARS-CoV-2
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Buffer	In PBS solution pH=7.4. Sterile filtered.
Preservative	None
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing.

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
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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 spike RBD; SARS-CoV-2 S1 RBD; SARS-CoV-2 RBD; SARS-CoV-2 S1; SARS-CoV-2 spike
