



Rabbit Anti-SARS-CoV-2 S1 Polyclonal antibody (CABT-CS056)

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

PRODUCT INFORMATION

Specificity	Recognizes SARS-CoV-2 Spike Protein S1, cross reactivity with the S proteins from SARS and MERS not tested
Target	SARS-CoV-2 S1
Immunogen	CHO-expressed full length S1 with human IgG Fc fusion
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	SARS-CoV-2
Purification	> 95% based on SDS-PAGE
Conjugate	unconjugated
Applications	ELISA, Neut
Format	Liquid
Size	100 µg
Buffer	0.01M Tris-HCl, pH 8.0, 0.15M NaCl
Preservative	None
Storage	Store the product at -20°C. Product is stable for about 6 weeks at 2-8°C as an undiluted liquid. Prepare working dilution fresh each day. 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 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; coronavirus; SARS-CoV-2 spike 1; SARS-CoV-2 spike protein; SARS-CoV-2 S1