



Rabbit Anti-SARS-CoV-2 S2 Polyclonal antibody (CABT-CS048)

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

PRODUCT INFORMATION

Specificity	SARS-CoV-2 Spike Protein
Target	SARS-CoV-2 S2
Immunogen	recombinant SARS-CoV-2 S2 Protein (DAGC153)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	SARS-CoV-2
Purification	Protein A & Antigen Affinity
Conjugate	unconjugated
Applications	WB, ELISA, IHC-P, FCM, ICC/IF, IP
Format	Liquid
Size	100 µg
Buffer	PBS
Preservative	None
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.

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 2; SARS-CoV-2 spike protein; SARS-CoV-2 S2