



Rabbit Anti-SARS-CoV-2 RBD Polyclonal antibody (CABT-CS200)

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

PRODUCT INFORMATION

Specificity	This antibody detects SARS-CoV-2 Spike protein, but does not cross-react with SARS-CoV or MERS-CoV spike proteins based on our internal testing.
Target	SARS-CoV-2 RBD
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of SARS-CoV-2 Spike (S1). (SARS-CoV-2 (strain Wuhan-Hu-1)) The exact sequence is proprietary.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	SARS-CoV-2
Purification	> 95% based on SDS–PAGE
Conjugate	unconjugated
Applications	WB, ICC, IF
Format	Liquid
Size	25 µl, 100 µl
Buffer	1XPBS, 20% Glycerol (pH7)
Preservative	0.025% ProClin 300
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

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