



Human Anti-SARS-CoV-2 Spike RBD

Monoclonal antibody, clone BIB113 (CABT-CS032)

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	SARS-CoV-2 spike RBD
Isotype	IgG
Source/Host	ExpiCHO
Species Reactivity	SARS-CoV-2
Clone	BIB113
Purification	> 95%
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Size	200 µg, 1 mg
Buffer	PBS, pH7.2
Preservative	None
Storage	Store at -80°C. Avoid repeated freezing and thawing cycles.

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 RBD; SARS-CoV-2 spike protein