



Human Anti-SARS-CoV-2 S2 Monoclonal antibody, clone HM3128 (CABT-CS054)

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 Spike RBD Protein
Isotype	IgG
Source/Host	Humanized
Species Reactivity	SARS-CoV-2
Clone	HM3128
Purification	Protein A & Antigen Affinity
Conjugate	unconjugated
Applications	WB, ELISA, IHC-P, FCM, ICC/IF, IP
Format	Liquid
Size	1 mg
Buffer	PBS
Preservative	None
Storage	Store at -20°C. Avoid repeated freezing and thawing 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