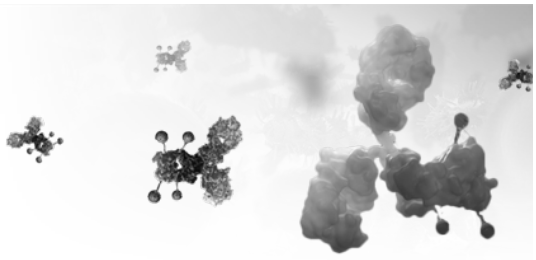

Mouse Anti-SARS-CoV-2 Spike S1 Monoclonal antibody, clone 1983 (CABT-CS271)

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

PRODUCT INFORMATION

Specificity	Recognize SARS-CoV-2 spike S1
Target	SARS-CoV-2 S1 protein
Immunogen	SARS-CoV-2 S1 protein
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	SARS-CoV-2
Clone	1983
Purification	Protein A/G purified
Conjugate	unconjugated
Applications	WB, IP
Format	Liquid
Size	50 µg, 250 µg
Buffer	PBS, pH7.4
Preservative	None
Storage	Store at -20°C.

BACKGROUND

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved

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 S1; SARS-CoV-2 spike protein; SARS-CoV-2 S1

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved