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Datasheet for ABIN6972674 Recombinant anti-SARS-CoV-2 Spike antibody

2 Images



Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Host:	Human
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This SARS-CoV-2 Spike antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Derived from COVID-19 patients who have cleared the virus. Their antibodies were screened for reactivity to SARS-CoV-2 and then sequenced and expressed as recombinant antibodies.
Clone:	AM015553 (553-15)
Isotype:	IgG1
Characteristics:	COVID-19, which is short for coronavirus disease 2019, is the official name of the respiratory
	disease caused by infection with the novel coronavirus SARS-CoV-2. The virus that causes
	COVID-19 was named SARS-CoV-2 because it is a coronavirus genetically similar to, yet distinct
	from, the virus that caused the severe acute respiratory syndrome (SARS) outbreak in 2003.
	Studying the details of how this virus replicates and causes the disease will allow scientists and
	physicians to more rapidly develop fast and accurate methods of detection as well as to deploy
	therapeutic and vaccine strategies. This antibody was derived from COVID-19 patients who

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Product D	etails
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have cleared the virus. Patient serum IgG was sequenced and expressed as full-length IgG1
with human immunoglobulin heavy and light chains in mammalian 293 cells. SARS-CoV-2 Spike
Antibody (AM3) (Clone AM3 (553-15)) was raised in a Human host. It has been validated for use
in ELISA, it has been shown to react with Virus samples.

Purification: Protein A Chromatography

Target Details

Target:	SARS-CoV-2 Spike
Abstract:	SARS-CoV-2 Spike Products
Target Type:	Viral Protein
Molecular Weight:	141 kDa (full length S1 protein)
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Buffer:	140 mM Hepes, pH 7.5, 70 mM NaCl, 32 mM NaOAc, 0.035 % sodium azide, and 30 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -

20°C for up to 2 years. Keep all reagents on ice when not in storage.

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ELISA

Image 1. AbFlex SARS-CoV-2 Spike Antibody (rAb) (AM015553) tested by ELISA using SARS Spike protein ECD. SARS-CoV-2 Spike Extracellular Domain (ECD a.a. 14-1213) protein was coated onto microtiter plates at 5 µg/mL and then incubated with a dilution series of SARS-CoV-2 Spike Antibody (rAb) (clone AM015553). Bound antibodies were detected with anti-human IgG conjugated to horseradish peroxidase (HRP) followed by incubation with HRP Substrate and then measuring the resulting absorbance at 450 nm.

ELISA

Image 2. AbFlex SARS-CoV-2 Spike Antibody (rAb) (AM015553) tested by ELISA using SARS Spike protein RBD. SARS-CoV-2 Spike RBD protein was coated onto microtiter plates at 10 µg/mL and then incubated with a dilution series of SARS-CoV-2 Spike Antibody (rAb) (clone AM015553). Bound antibodies were detected with anti-human IgG conjugated to horseradish peroxidase (HRP) followed by incubation with HRP Substrate and then measuring the resulting absorbance at 450 nm.

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