Datasheet for ABIN6990085

anti-SARS-CoV-2 Spike S1 antibody

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1 Image

Overview

Quantity:	0.1 mg
Target:	SARS-CoV-2 Spike S1
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Alpha
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SARS-CoV-2 Spike S1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant SARS-CoV-2 spike protein, S1 subunit.
Clone:	SP185
Isotype:	IgG kappa
Cross-Reactivity (Details):	ABIN6990085 recognizes the S proteins from wt SARS-CoV-2 and variant B.1.1.7 alpha; the antibody does not bind S proteins from variants B.1.351 beta and P.1 gamma.
Purification:	The antibody was expressed in HEK293F cells, and subsequently obtained from cell supernatant by protein A affinity chromatography.

Target Details

Target:	SARS-CoV-2 Spike S1
Abstract:	SARS-CoV-2 Spike S1 Products

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Target Details

Target Type:	Viral Protein
Gene ID:	43740568

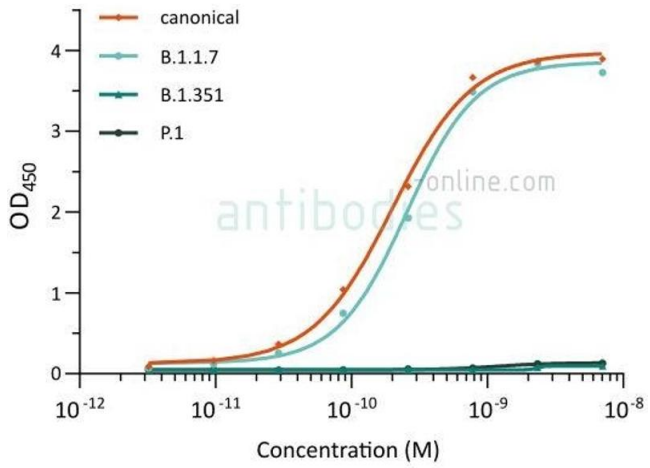
Application Details

Application Notes:	Tested Matched Pair with ABIN6989982 (Detection Ab) in ELISA.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS pH 7.2
Storage:	-20 °C,4 °C
Storage Comment:	SARS-CoV-2 (COVID-19) Spike S1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



ELISA

Image 1. Direct ELISA of SARS-CoV-2 variant proteins with anti-SARS-CoV-2 Spike S1 antibody ABIN6990085. Plates were coated with 0.457-1000 ng/mL SARS-CoV-2 full length spike wt protein ABIN6952670 or S protein from variants B.1.1.7 alpha ABIN6963742, B.1.351 beta ABIN6963740, or P.1 gamma ABIN6964443 at 4 °C ON. Incubation with detection antibody ABIN6990084 at 0.1 µg/ml at RT for 1h, followed by incubation with secondary goat anti-rabbit anti-rabbit HRP diluted 1:20,000 at RT for 1h. ABIN6990085 recognizes the S proteins from wt SARS-CoV-2 and variant B.1.1.7 alpha; the antibody does not bind S proteins from variants B.1.351 beta and P.1 gamma.