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Datasheet for ABIN6952746

anti-SARS-CoV-2 Spike S1 antibody (RBD)

2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike S1
Binding Specificity:	RBD
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA

Product Details

Purpose:	Polyclonal Rabbit antibody against SARS-CoV-2 (COVID-19) Spike Protein S1 Receptor Binding Domain
Immunogen:	This antibody was produced from antiserum of rabbits immunized with a recombinant SARS-CoV-2 S1 RBD protein.
Isotype:	IgG
Specificity:	This antibody was selected for its ability to bind to the virus SARS-CoV-2 Spike Protein Receptor Binding Domain (RBD) from the disease COVID-19.
Characteristics:	Rabbit anti-SARS-CoV-2 S1 RBD antibody
Purification:	The IgG fraction was purified by Protein A affinity chromatography.

Target Details

Target:	SARS-CoV-2 Spike S1
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Target Details

Abstract:	SARS-CoV-2 Spike S1 Products
Target Type:	Viral Protein
Background:	It's been reported that 2019-nCoV (COVID-19) can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.
Gene ID:	43740568
UniProt:	P0DTC2

Application Details

Application Notes:	ELISA (recommended work dilution = 1:160,000)
Restrictions:	For Research Use only

Handling

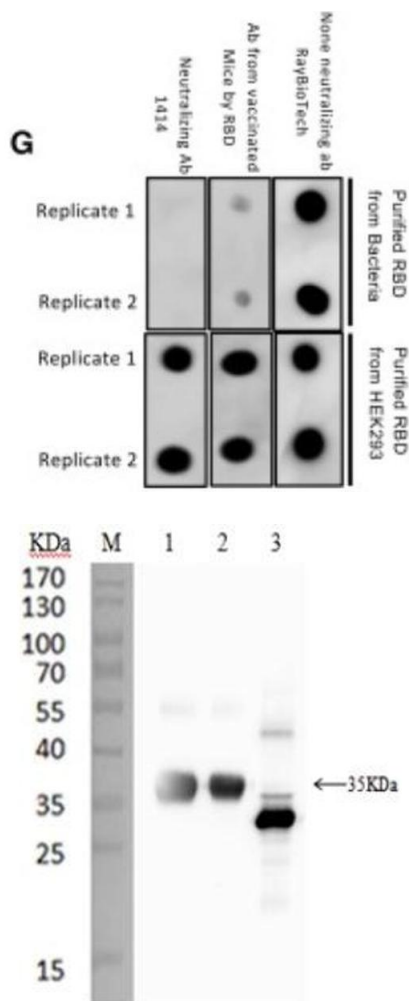
Format:	Lyophilized
Reconstitution:	Reconstitute the antibody with sterile water to a final concentration of 1 mg/mL.
Buffer:	Product is supplied as a powder obtained from lyophilization of purified antibody in citric acid solution.
Handling Advice:	Please avoid freeze-thaw cycles, as this will lower the activity of the antibody.
Storage:	-20 °C
Storage Comment:	Store at 4°C if intended for use within one month, otherwise, store at -20°C to -80°C. The lyophilized antibody is stable for at least 18 months after the date of receipt when stored at -20°C to -80°C. After reconstitution, it can be aliquoted and stored frozen at -20°C to -80°C in a manual defrost freezer for at least 6 months without detectable loss of activity. Upon reconstitution, the antibody can also be stored for 1 month at 4°C.

Publications

Product cited in:	Ricard, Ciais, Levet, Subileau, Mallet, Zimmers, Lee, Bidart, Feige, Bailly: "BMP9 and BMP10 are critical for postnatal retinal vascular remodeling." in: Blood , Vol. 119, Issue 25, pp. 6162-71, (
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2012) ([PubMed](#)).

Calne, Lees: "Late progression of post-encephalitic Parkinson's syndrome." in: **The Canadian journal of neurological sciences. Le journal canadien des sciences neurologiques**, Vol. 15, Issue 2, pp. 135-8, (1988) ([PubMed](#)).



Dot Blot

Image 1. Dot blot analyses comparing recognition of recombinant RBD purified from bacteria or HEK293 to different RBD-targeted antibodies (e.g. ABIN6952746) or sera from VSVΔ51-RBD-TMD-WT-vaccinated mice. Source: 33578036

Western Blotting

Image 2. WB 1:1000, 12% SDS-PAGE. Lane 1: 1ug HEK293
Lane 2: 500 ng HEK293 Lane 3: 500 ng E. Coli