

Product Details

Summary

Product name	Anti 2019-nCoV S1 Protein polyclonal antibody
Catalog#	ATP242
description	Produced in rabbits immunized with purified, Recombinant SARS-CoV-2 S1 Protein
Accession #	P0DTC2
Alternative names	Spike glycoprotein, E2, Peplomer protein, Spike protein S1, S
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -87 °C for twelve months from the date of receipt.
Specificity	Recognizes SARS-CoV-2 S1 Protein
Isotype	IgG
Host	Rabbit
Clonality	Polyclonal
Conjugation	Unconjugate
Species reactivity	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)
Tested applications	Elisa
Immunogen	Recombinant SARS-CoV-2 S1 Protein (Val16-Gln677)

Background

Attaches the virion to the cell membrane by interacting with host receptor, initiating the infection. Binding to human ACE2 receptor and internalization of the virus into the endosomes of the host cell induces conformational changes in the Spike glycoprotein. Uses also human TMPRSS2 for priming in human lung cells which is an essential step for viral entry. Can be alternatively processed by host furin . Proteolysis by cathepsin CTSL may unmask the fusion peptide of S2 and activate membranes fusion within endosomes.

Product performance

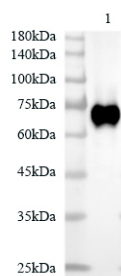
Form	Liquid
Buffer	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
Concentration	0.53mg/ml
MW	141kDa

Application

Dilution Range

Elisa: 1:4000~1:8000

Tested Picture



Lysate: 0.1 µg/lane
Lane 1: Recombinant SARS-CoV-2
S1 Protein

Predicted band size: 70kDa
Observed band size: 70kDa

Recombinant Protein lysates were subjected to SDS PAGE followed by western blot with rabbit anti SARS-CoV-2 (2019-nCoV) S1 Protein antibody at dilution of 1:32000.

Note

For research use only.