SARS-COV-2 Spike RBD Polyclonal Antibody (2019-nCoV)

Catalog Number:E-AB-V1006

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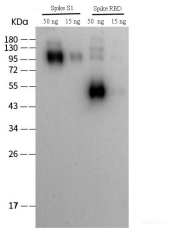
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	SARS-COV2
Immunogen	Recombinant 2019-nCoV Spike Protein (RBD)
Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Formulation	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:1000-1:5000_x000D_
ELISA:1:5000-1:10000	

Data



Western Blot analysis of SARS-CoV2-Spike protein using SARS-COV/SARS-COV-2 Spike RBD Polyclonal Antibody(2019-nCoV) at dilution of 1:2000

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

Protein S (PROS1) is glycoprotein and expressed in many cell types supporting its reported involvement in multiple biological processes that include coagulation, apoptosis, cancer development and progression, and the innate immune response. Known receptors bind S1 are ACE2, angiotensin-converting enzyme 2, DPP4, CEACAM etc.. 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. Most notable is severe acute respiratory syndrome (SARS). The severe acute respiratory syndrome-coronavirus (SARS-CoV) spike (S) glycoprotein alone can mediate the membrane fusion required for virus entry and cell fusion. It is also a major immunogen and a target for entry inhibitors. It's been reported that 2019-nCoV 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. S2 contains basic elements needed for the membrane fusion.The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

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