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SARS-COV-2 Spike S2 Polyclonal Antibody(2019-nCoV)

Catalog No.: E-AB-V1010 **Applications:** ELISA
Storage: Store at -20°C , Avoid freeze / thaw cycles

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

Antigen Information

Alternate Names coronavirus s2,coronavirus spike,cov spike,ncov,ncov s2,ncov spike,novel coronavirus s2,novel coronavirus spike,s2

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.

Product Details

Host Rabbit
Isotype IgG
Immunogen Recombinant 2019-nCoV S2 Protein (ECD, His Tag)[PKSR030505]
Application ELISA
Reactivity SARS-COV2 Spike S2
Dilution ELISA: 1:5,000-1:10,000
Storage Buffer 0.2 μm filtered solution in PBS
Stability & Storage Ships on ice packs. Store at -20°C
Description Produced in rabbits immunized with Recombinant 2019-nCoV S2 Protein (ECD, His Tag)[PKSR030505]. The specific IgG was purified by Recombinant 2019-nCoV S2 Protein affinity chromatography.