

Rabbit COVID 19 Spike Coronavirus Polyclonal Antibody | anti-COVID-19 antibody

Coronavirus (COVID-19/Sars-Cov-2/2019nCov) Spike biotinylated Antibody

CATALOG # AAA78523	HOST Rabbit	APPLICATIONS ELISA
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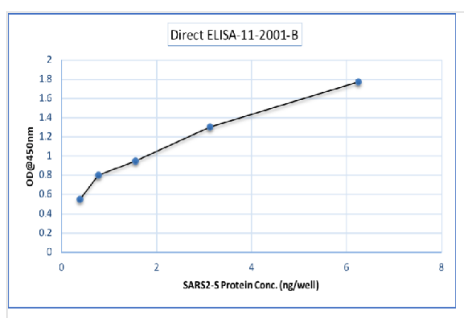
PRODUCT SYNONYMS

COVID 19 Spike Coronavirus; Polyclonal Antibody; Coronavirus (COVID-19/Sars-Cov-2/2019nCov) Spike biotinylated Antibody; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Protein A Chromatography
Form/Format	Purified. 25ug in PBS + 0.05% Azide
Sequence Positions	850-1050aa
Applicable Applications for anti-COVID-19 antibody	ELISA
Immunogen	A partial length recombinant coronavirus Spike Protein (amino acids 850-1050) was used as the immunogen for this antibody.
Antigen	Coronavirus Spike Protein
Conjugate	Biotin
Preparation and Storage	Store at 4°C.

IMAGES



Application Data

Fig.1: Wells of a 96-microtiter plate were coated with different concentration of a mammalian expressed full-length SARS-CoV-2 Spike protein. The binding was detected by addition of 200 ng of biotinylated anti-Spike S polyclonal antibody per well. The reactivity was detected by HRP-conjugated Streptavidin.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody	The spike (S) protein of nCoV/SARS-CoV-2/COVID-19 is one of the structural glycoproteins that remains embedded in viral envelope and acts as the fundamental component of early viral infection of nCoV/SARS-CoV-2/COVID-19 upon binding the host receptor. The nCoV/SARS-CoV-2/COVID-19 has a trimeric spike protein which has two main domains such as S1 domain for receptor binding and S2 domain for membrane fusion and several specific cleavage sites in S1- S2 boundary junction that needs a novel, endocytic protease- primed cleavage to get activated during infection. It mainly binds to the furin protein on the cell membrane which performs trypsin like proteolytic cleavage and then the protein gets activated facilitating its entry into the host. This transmembrane spike protein of nCoV/SARS-CoV-2/COVID-19 shares binding property to the Angiotensin Converting Enzyme 2 (ACE2) likely to that of SARS- CoV. The high affinity of nCoV/SARS-CoV-2/COVID-19 Spike protein for human ACE2 may contribute to the apparent ease with which nCoV/SARS-CoV-2/COVID-19 can spread from human-to-human and make nCoV/SARS-CoV-2/COVID-19 pandemic.
Product Categories/Family for anti-COVID-19 antibody	Antibodies ; Infectious Diseases

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/covid-19-spike-coronavirus-antibody-elisa/78523>