

COVID 19 Spike S NTD Coronavirus Active Protein | COVID-19 active protein

Recombinant SARS-CoV-2 (2019-nCoV) S Protein NTD

CATALOG # AAA119899	HOST Mammalian cells	APPLICATIONS Immunogen
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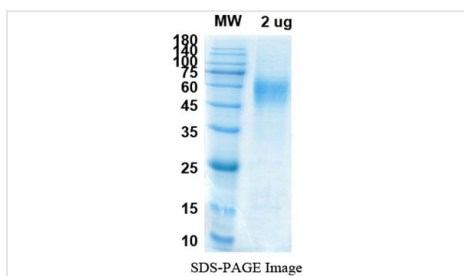
PRODUCT SYNONYMS

COVID 19 Spike S NTD Coronavirus; Recombinant SARS-CoV-2 (2019-nCoV) S Protein NTD; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike S NTD; COVID-19 active protein

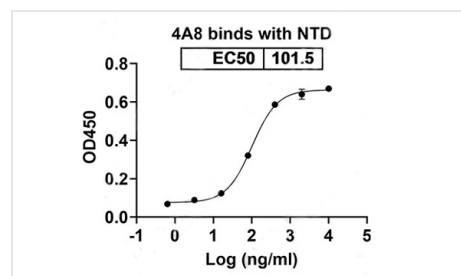
PRODUCT SPECIFICATIONS

Host	Mammalian cells
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Supplied as solution form in PBS, pH7.5 or lyophilized from PBS, pH7.5
Applicable Applications for COVID-19 active protein	Immunogen
Source	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)
Bioactivity	Binding with the antibody 4A8, please check the insert.
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C. Store at -20 to -80 °C from the date of receipt.

IMAGES



SDS-PAGE



Activity

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein

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.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P0DTC2
Molecular Weight	Predicted MW: 36.23KD

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://stage.aaabiotech.com/mammalian-cells-covid-19-active-protein/covid-19-spike-s-ntd-coronavirus/119899>