

COVID 19 Spike Protein S1 (D614G) Coronavirus Active Protein | COVID-19 active protein

2019-nCoV Spike protein S1 (D614G)

CATALOG #
AAA73174

HOST
CHO Cells

PRODUCT SYNONYMS

COVID 19 Spike Protein S1 (D614G) Coronavirus; 2019-nCoV Spike protein S1 (D614G); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike Protein S1 (D614G); COVID-19 active protein

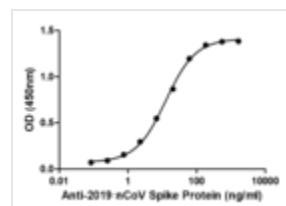
PRODUCT SPECIFICATIONS

Host	CHO Cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.5, 300mM NaCl, 150mM imidazole
Species	Virus
Tag	HIS
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at the recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Purity Data
Sample purity Data.



Specific Activity
Sample activity Data.



Application Data
Sample activity Data.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein	Recombinant 2019-nCoV Spike protein S1 (D614G) (16-685) was expressed in CHO cells using a C-terminal His-tag. Overview: Novel Corona virus SARS-CoV-2 has caused the pandemic of the respiratory diseases (COVID-19) around the world in 2020 (1). The spike glycoprotein (S) of Corona virus, a type I transmembrane protein containing two subunits, S1 and S2 is known to bind with host cells through the interaction with angiotensin-converting enzyme 2 (ACE2) (2). Recently, a variant of SARS-CoV-2 carrying D614G mutation in the Spike protein has become the most prevalent form in the global pandemic. This G614 variant of Spike protein has been associated experimentally with higher infectivity and clinically with higher viral loads in infected individuals (3).
Product Categories/Family for COVID-19 active protein	Proteins; COVID-19 Proteins
References	1. Zhou P, et al: A pneumonia outbreak associated with a new Corona virus of probable bat origin. Nature. 2020, 579:270-89. 2. Lan J, et al: Crystal structure of the 2019-nCov spike receptor-binding domain bound with the ACE2 receptor. Nature. 2020, 581:215-220. 3. Korber B, et al: Tracking changes in SARS-CoV-2 Spike: Evidence that D614G increases infectivity of the covid-19 virus. Cell. 2020, 182:812-82.

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/cho-cells-covid-19-active-protein/covid-19-spike-protein-s1-d614g-coronavirus/73174>