

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

2019 nCoV/COVID19 Spike S RBD Recombinant

CATALOG #	HOST
AAA14434	CHO Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

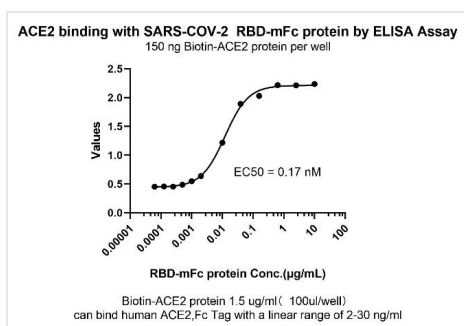
PRODUCT SYNONYMS

COVID 19 Spike S RBD Coronavirus; 2019 nCoV/COVID19 Spike S RBD Recombinant; 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 RBD; Receptor Binding Domain; COVID-19 active protein

PRODUCT SPECIFICATIONS

Host	CHO Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>90% by SDS-PAGE.
Form/Format	Lyophilized from Sterile solution of pH 7.4
Source Note	DNA sequence encoding extracellular domain fragment[319-S41] of the NCOV Spike 51 [accession# 6VSB_A] was expressed in HEK cells.
Endotoxin	Less than 1EU/ug as determined by LAL method.
Preparation and Storage	Store lyophilized product at room temperature for 3 weeks or at -20°C for 24 months. Store reconstituted product at 2-8°C for 3 weeks or at -20°C for 24 months. *For long term storage we recommend the addition of a carrier protein at 0.1%. *Avoid repeated freeze/thaw cycles.

IMAGES



Activity

The activity was determined by immobilized Spike Protein S1 binding with Human ACE2 in a functional ELISA assay, the ED₅₀ was determined to be 0.17nM.



SDS-PAGE

The recombinant RBD-Fc protein migrates as 70kDa due to glycosylation

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein	Recombinant NCOV S1 encodes the NCOV RBD sequence. This molecule has a calculated mass of approximately 100kDa. Recombinant RBD contains an C terminal mouse IgG1 purification tag and migrates due to glycosylation as an approximately 120 kDa protein under reducing conditions in SDS-PAGE.
Product Categories/Family for COVID-19 active protein	2019-nCoV/COVID-19 Coronavirus; Viral Antigens

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-s-rbd-coronavirus/14434>