

SARS-CoV Spike S1 Recombinant Protein

SARS-CoV Spike Protein S1, HIS Tag

CATALOG #
AAA73181

HOST
CHO Cells

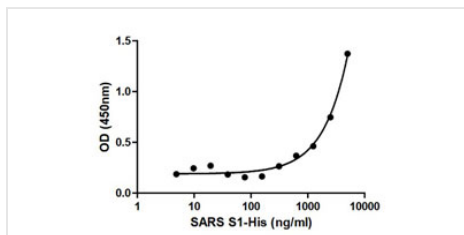
PRODUCT SYNONYMS

SARS-CoV Spike S1; SARS-CoV Spike Protein S1; HIS Tag; SARS Corona virus S1; Corona virus S2; Corona virus spike; cov spike; ncov S1; ncov S2; SARS coronavirus S1; coronavirus S2; coronavirus spike; ncov S2.; SARS-CoV Spike S1 recombinant protein

PRODUCT SPECIFICATIONS

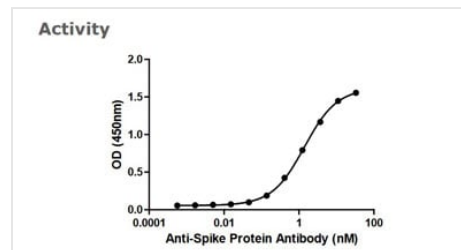
Host	CHO Cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH 7.5, 300mM NaCl, 150mM imidazole.
Concentration	0.1 ug/ul (varies by lot)
Species	SARS-CoV
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data

Figure 3. Binding ability measured in a functional ELISA. Immobilized human ACE2(19-740) protein (Fc tag) can bind to SARS-CoV Spike Protein S1 (His tag).



Application Data

Figure 2. Binding ability measured in a functional ELISA. Anti-2019-nCoV Spike Protein binds to immobilized SARS-CoV Spike Protein S1 (His tag).



SDS-PAGE

Figure 1. SDS-PAGE gel image. The purity of SARS-CoV Spike Protein S1 was determined to be >90% by densitometry, approx. MW 125 kDa.

ADDITIONAL INFORMATION

Related Product Information for SARS-CoV Spike S1 recombinant protein	Recombinant SARS- CoV Spike Protein S1 (14-680) was expressed in CHO cells using a C-terminal His tag. The gene accession number is AY278554. The severe acute respiratory syndrome related novel coronavirus (SARS-CoV) has caused the 2002-2003 SARS epidemic that broke out in southern China, which spread to other regions of Asia, Europe and North America (1). The spike glycoprotein (S) of coronavirus belongs to the type I transmembrane protein containing two subunits, S1 and S2 (2), which is also known to be the key component to bind with host cells through the interaction with angiotensin-converting enzyme 2 (ACE2). SARS-CoV can specifically recognize ACE2 through its receptor binding domain (RBD) of S1 to initiate viral infection in humans (3).
Product Categories/Family for SARS-CoV Spike S1 recombinant protein	Proteins ; COVID-19 Proteins
References	1. Li F, et al: Receptor recognition and cross-species infections of SARS Corona virus. Antiviral Research. 2013, 100 (1): 246-254. 2. Xiao X, et al: The SARS-CoV S glycoprotein. Cell Mol Life Sci. 2004, 61 (19-20): 2428-30. 3. Wan Y, et al: Receptor recognition by the novel Corona virus from Wuhan: An analysis Bbsed on decade-long structural studies of SARS Corona virus. Journal of virology. 2020: 94.

NCBI AND UNIPROT INFORMATION

Molecular Weight	125kDa
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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/sars-cov-spike-s1-recombinant-protein-cho-cells/73181>