

SARS-CoV Spike RBD Recombinant Protein

SARS-CoV Spike Protein RBD

CATALOG #
AAA73182

HOST
CHO Cells

PRODUCT SYNONYMS

SARS-CoV Spike RBD; SARS-CoV Spike Protein RBD; SARS Corona virus S1; Corona virus S2; Corona virus spike; cov spike; ncov S1; ncov S2; ncov RBD; Spike RBD; RBD; SARS-CoV Spike RBD recombinant protein

PRODUCT SPECIFICATIONS

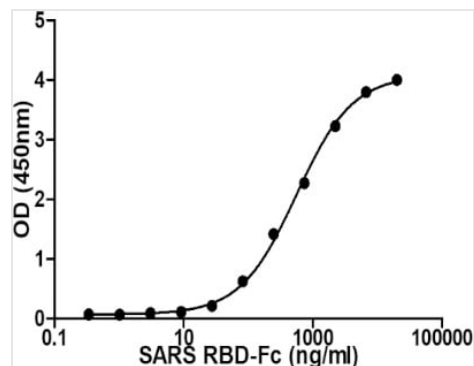
Host	CHO Cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 90mM glycine
Concentration	1.0ug/ul (varies by lot)
Species	SARS-CoV
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70°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



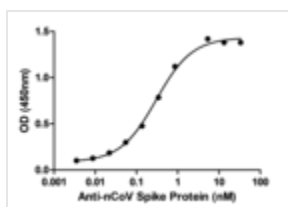
SDS-PAGE

SDS-PAGE gel image The purity of SARS-CoV Spike protein RBD was determined to be >90% by densitometry. Approx. MW 65 kDa.



Application Data

Binding ability measured in a functional ELISA. Immobilized human ACE2 (19-740) protein (Fc tag) can bind to SARS-CoV spike protein RBD (Fc tag).



Application Data

Binding ability measured in a functional ELISA. Anti-2019-nCoV Spike Protein binds to immobilized SARS-CoV Spike Protein RBD (Fc tag).

ADDITIONAL INFORMATION

Related Product Information for SARS-CoV Spike RBD recombinant protein	Description: Recombinant SARS-CoV Spike Protein RBD (318-510) was expressed in CHO cells using a C-terminal human IgG1 Fc tag. Background: The severe acute respiratory syndrome related novel Corona virus (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 Corona virus 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 RBD 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 based on decade-long structural studies of SARS Corona virus. Journal of virology. 2020: 94.

NCBI AND UNIPROT INFORMATION

Molecular Weight	65kDa
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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-rbd-recombinant-protein-cho-cells/73182>