

21-2122: SARS CoV2 Spike S1 C-Term His Tag Protein

Application : Functional Assay, ELISA

Alternative Name : S1 protein; Spike glycoprotein Subunit 1: novel coronavirus s1 protein

Description

Source: **Covid 19 Spike S1-His in CHO-K1**. The spike protein (S1) of coronavirus (CoV2) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

Product Info

Amount : 50 µg

Purification : >95% by SDS-PAGE.

Content : PBS and 10% Glycerol

Storage condition : SARS-CoV-2 Spike S1-His Protein is shipped on ice packs. Upon arrival, Store at -20°C. Do not freeze-thaw multiple times.

Amino Acid : The target protein is expressed with sequence (AA 14-683) of SARS-CoV-2/COVID-19 Spike S1 sequence fused with a 6Å—His tag in C-Terminal.

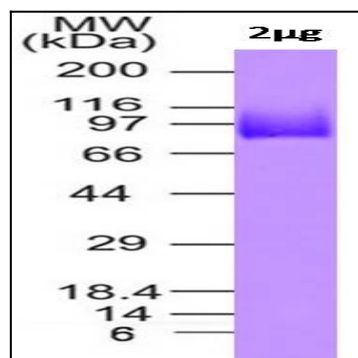


Figure-1: SDS-PAGE analysis of purified SARS-CoV-2 Spike S1-His recombinant protein. 2.0 µg protein was run on a 4-20% SDS-PAGE gel followed by Coomassie blue staining.

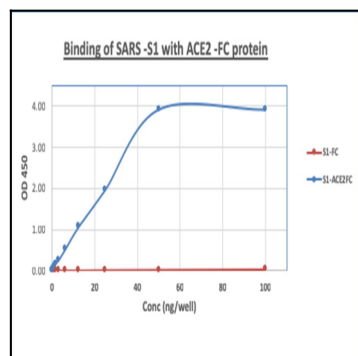


Figure 2: Binding assay of recombinant SARS CoV-2 Spike S1 C-Term His Tag Protein (Cat. No. 21-1008) with recombinant Human ACE2 Fc Protein (Cat No. 21-1007). An ELISA plate was coated with 1 µg/ml of recombinant SARS CoV-2 Spike S1 C-Term His Tag Protein, and the plate was incubated overnight at 4°C. Different concentrations (100 ng/well to 0 ng/well) of recombinant Human ACE2 Fc Protein was added to the wells. HRP conjugated goat anti-human Fc was used as secondary antibody.