www.innocyto.com.cn

InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618
Email: info@innocyto.com
Phone: 1-949-418-7543

# SARS-CoV-2 Spike S1 Protein (C-Fc)

| | |
|---|---|
| **Catalog Number:** | 603101, 603102 |
| **Size:** | 25 ug, 100 ug |
| **Target Name:** | SARS-CoV2 Spike S1 Protein, S1 Protein |
| **Regulatory Status:** | RUO |

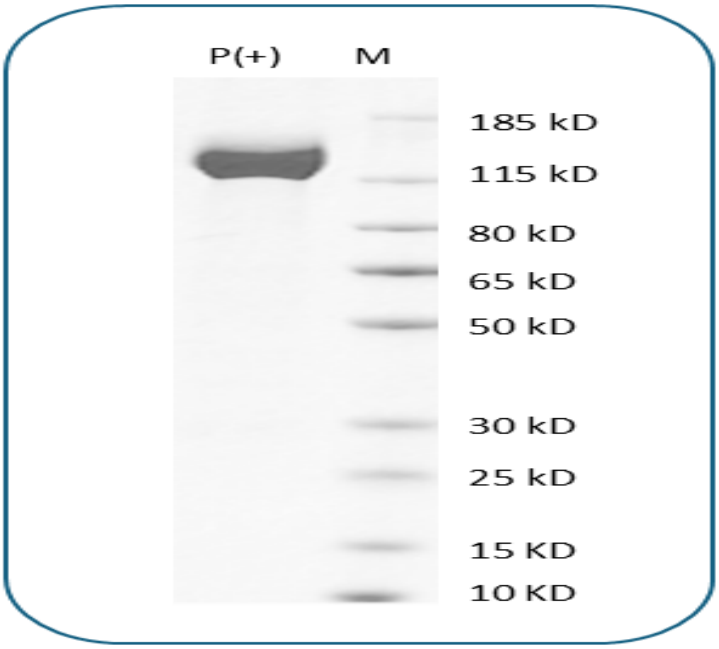
## PRODUCT DETAILS

| | |
|---|---|
| **Application:** | ELISA, BLI |
| **Format:** | Liquid, Purified |
| **Expression Host:** | CHO |
| **Species:** | SARS-CoV-2 |
| **Accession Number:** | QHD43416.1 |
| **Sources:** | Recombinant SARS-CoV-2 S protein S1 domain (Val16-Arg685) with C-terminus Fc tag was expressed in CHO Cells. |
| **Molecular Weight:** | This protein has a predicted molecular weight of 101.7 kDa. Under DTT-reducing conditions, the protein migrates at approximately 120-150 kDa on SDS-PAGE. |
| **Affinity Tag:** | C-Fc |
| **Purity:** | >95% based on SDS-PAGE under reducing condition |
| **Formulation:** | 1xPBS buffer, pH7.4, 0.22 μm filtered |
| **Endotoxin level:** | Not tested |
| **Protein Concentration:** | 25μg size is bottled at 0.2mg/mL concentration. 100 μg size is supplied at a lot-specific concentration. |
| **Storage and Handling:** | Briefly centrifuge the vial upon receipt. An unopened vial can be stored at 4°C for up to 2 weeks, or at -20°C or below for up to six months. The protein may be further diluted to 0.1 mg/mL using 0.22 μm-filtered PBS buffer (pH 7.4). For long-term storage, the diluted stock solution should be aliquoted and stored at ≤ –70°C to minimize freeze-thaw cycles. If additional dilution is required, carrier proteins such as FBS or BSA should be added to maintain protein stability. |

## BACKGROUND INFORMATION

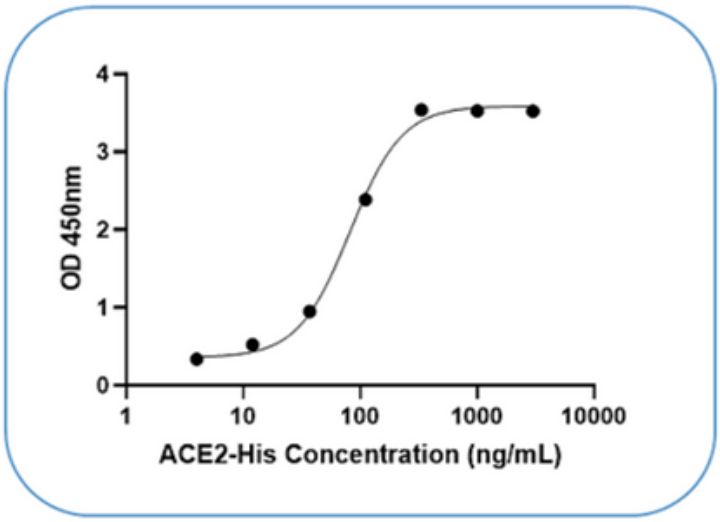
The S1 domain of the SARS-CoV-2 spike (S) protein is the N-terminal portion responsible for host cell recognition. It is one of two major subunits of the spike protein—the other being the S2 domain, which mediates membrane fusion. The S1 domain contains two key regions N-terminal domain (NTD) and Receptor-binding domain (RBD). Due to its central role in viral attachment and its immunogenicity, the S1 domain is a key target for neutralizing antibodies, vaccines, and diagnostic assays.

## PRODUCT DATA




SARS-CoV2 Spike S1 Protein with C-Fc tag on SDS-PAGE under reducing conditions. The gel was stained for 1 hour with BlinkBlue Protein Staining Buffer (Catalog 700102). The purity of this protein appears to be greater than 95%.

This product is supplied subject to the terms and conditions at www.innocyto.com.cn/web/terms.php and may only be used as provided in the stated terms. Products are for Research Use Only.




Recombinant SARS-CoV2 S1-Fc protein is coated at 2 μg/mL (200 ng/well). Human ACE2 (N-His) protein (catalog # 600001) can bind SARS-CoV2 S1-Fc in the dose dependent manner.

This product is supplied subject to the terms and conditions at www.innocyto.com.cn/web/terms.php and may only be used as provided in the stated terms. Products are for Research Use Only.