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S1 Spike Protein (SARS-CoV-2) His Tag Recombinant (HEK293 Expressed) Plate

Code	PL00706-02
Name	S1 Spike Protein (SARS-CoV-2) His Tag Rec. (HEK293) Plate
Lot No.	
Size	96 Wells
Source	HEK293
Tag	6x His Tag on C-terminal
Purity	>95% in SDS gel
Formulation	100µl per well of 0.5 µg/mL of S1-Spike Protein
Blocking	3% BSA
Storage	2- 8 ° C
Protein ID	YP_009724390.1
MW	120 KD in SDS-PAGE Gel (due glycosylated)

Description

SARS-CoV-2 Spike Protein is composed of S1 domain and S2 domain. S1 contains a receptor-binding domain (RBD) that can specifically bind to angiotensin-converting enzyme 2 (ACE2), the receptor on target cells. The S1 Spike Protein (SARS-CoV-2) His Tag recombinant (HEK293 derived) has a predicted molecular mass of 76.5 KDa. Due to glycosylation, the recombinant S1 Spike Protein (SARS-CoV-2) migrates as an approximately 120 kDa band in SDS-PAGE under reduce condition. This protein was coated on the 96-wells Microplate and blocked by 3% BSA in PBS.

Receptor ACE2 Binding Test

This S1 Spike Protein (SARS-CoV-2) His Tag recombinant (HEK293 derived) Plate (P00706-02) had been tested by the human soluble ACE2 Fc Fusion (HEK293) Biotinylated. The dynamic range is 1.77 ~ 454 pM/L. Its EC₅₀= 51.5 pM/L.

Anti S1 Spike Protein IgG Test

This S1 Spike Protein (SARS-CoV-2) His Tag recombinant (HEK293 derived) Plate (P00706-02) had been tested by the humanized anti S1-RBD monoclonal antibody on SARS-CoV-2 IgG ELISA Kit. The dynamic range of antibody is 3.9 ~ 250 ng/mL.

Formulation

100 µL of lot specific of the S1 Spike Protein (SARS-CoV-2) His Tag (HEK293) in PBS was coated on 96-wells microplate. Blocking Buffer is 3% BSA.

Reconstitution & Storage

Store Plate at 2- 8°C for 12 months.

AVISCERA BIOSCIENCE, INC
2348 WALSH AVE., SUITE C
SANTA CLARA, CA 95051
USA
TEL: (408) 982 0300
FAX: (408) 982 0301
Sales@AvisceraBioscience.com

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