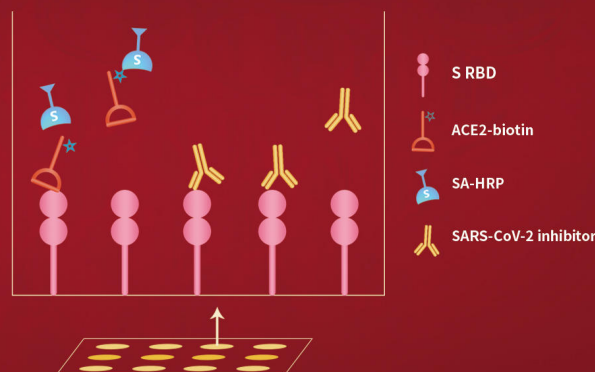


• Biotinylated SARS-CoV-2 Proteins

SARS-CoV-2 Inhibitor Screening Kit •

• Trimer S Protein Verified by SEC-MALS



## Trimer Structure S Protein Verified by SEC-MALS

ACROBiosystems has developed the S protein with a trimeric structure. The molecular weight and polymer form of the protein were verified by SEC-MALS technology, and the bioactivity was verified by SPR and ELISA.

## SARS-CoV-2 Inhibitor Screening Kit

ACROBiosystems has developed the SARS-CoV-2 inhibitor screening kit based on the biotinylated ACE2 protein and SARS-CoV-2 S protein RBD. This inhibitor screening kit is designed to facilitate the identification and characterization of SARS-CoV-2 inhibitors.

## Biotinylated SARS-CoV-2 proteins

We also offer high quality biotinylated S1, S RBD, N, ACE2 and other proteins using the Avitag™ technology. The biotinylation only happens on the lysine residue of Avi tag, and no interference with the target protein's natural binding activities.

## Besides the high-quality proteins and kit, ACRO also offers the following benefits

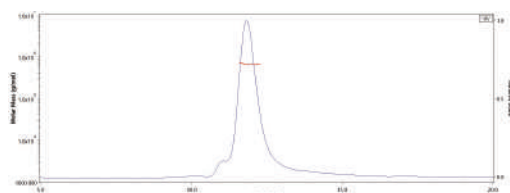
- SPR/ BLI/ ELISA protocols are offered for free.
- Buy a large size of ACE2, S, S1 proteins and get a small size one for free.

One time for each  
end user only  
till Apr.30!

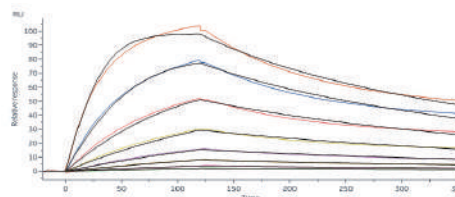
■ Cat. No.: **SPN-C52H8** Product: SARS-CoV-2 (COVID-19) S protein, His Tag, Active Trimer

Purity of SARS-CoV-2 (COVID-19) S protein is higher than 85%, and the molecular weight is 640-680 kDa as verified by SEC-MALS.

The affinity constant of human ACE2 protein binding to SARS-CoV-2 (COVID-19) S protein trimer protein was 35.3 nM as verified by SPR.



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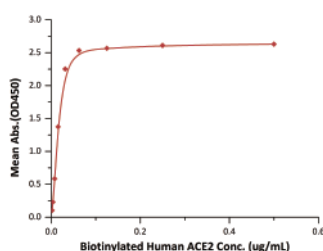
Human ACE2, Fc Tag (Cat. No. AC2-H5257) Captured on CM5 chip via anti-human IgG Fc antibodies surface can bind SARS-CoV-2 S protein (R683A, R685A), His Tag, active trimer (Cat. No. SPN-C52H8) with an affinity constant of 35.3 nM as determined in a SPR assay (Biacore 8K).

[Request for FREE protocol](#)

■ Cat. No.: **EP-105** Product: SARS-CoV-2 Inhibitor Screening Kit

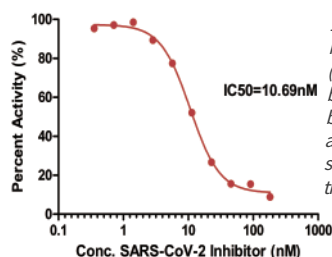
Binding of biotinylated human ACE2 to immobilized SARS-CoV-2 S protein RBD in a functional ELISA assay.

Inhibition of biotinylated human ACE2 :SARS-CoV-2 S protein RBD binding by SARS-CoV-2 inhibitor



Immobilized SARS-CoV-2 S protein RBD at 0.5 µg/mL (100 µL/well) can bind human ACE2-Biotin with a linear range of 0.001-0.06 µg/mL when detected by Streptavidin-HRP. Background was subtracted from data points before curve fitting.

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1:2 serial dilutions of SARS-CoV-2 inhibitor (Cat. No. AC2-H5257), from 20 µg/mL to 0.039 µg/mL (180 nM to 0.35 nM) was added into biotinylated ACE2: SARS-CoV-2 S protein RBD binding reactions. The assay was performed according to the protocol. Background was subtracted from data points prior to log transformation and curve fitting.

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Scan the QR code for more information



**Product List**

\* Click the Cat. No. below for more product information

More related products and ELISA kits are coming soon. Please visit [www.acrobiosystems.com](http://www.acrobiosystems.com) for the latest and most complete product information. [Click Here](#)

Molecule	Cat. No.	Species	Host	Product Description
S protein RBD	<a href="#">EP-105</a>	SARS-CoV-2		SARS-CoV-2 Inhibitor screening Kit
ACE2	<a href="#">AC2-H82E6</a>	Human	HEK293	<b>Biotinylated</b> Human ACE2 / ACEH Protein, His, Avitag™ (MALS verified)
ACE2	<a href="#">AC2-H82F9</a>	Human	HEK293	<b>Biotinylated</b> Human ACE2 / ACEH Protein, Fc, Avitag™
ACE2	<a href="#">AC2-H5257</a>	Human	HEK293	Human ACE2 / ACEH Protein, Fc Tag (MALS verified)
S protein	<a href="#">SPN-C52H4</a>	SARS-CoV-2	HEK293	SARS-CoV-2 (COVID-19) S protein (R683A, R685A), His Tag
S protein	<a href="#">SPN-C52H8</a>	SARS-CoV-2	HEK293	SARS-CoV-2 (COVID-19) S protein (R683A, R685A), His Tag, active trimer (MALS verified)
S1 protein	<a href="#">S1N-C52H3</a>	SARS-CoV-2	HEK293	SARS-CoV-2 (COVID-19) S1 protein, His Tag
S1 protein	<a href="#">S1N-C82E8</a>	SARS-CoV-2	HEK293	<b>Biotinylated</b> SARS-CoV-2 (COVID-19) S1 protein, His, Avitag™ (MALS verified)
S1 protein	<a href="#">S1N-S52H5</a>	SARS	HEK293	SARS S1 protein, His Tag (MALS verified)
S1 protein	<a href="#">S1N-C52H4</a>	SARS-CoV-2	HEK293	SARS-CoV-2 (COVID-19) S1 protein, His Tag (MALS verified)
S protein RBD	<a href="#">SPD-C82E9</a>	SARS-CoV-2	HEK293	<b>Biotinylated</b> SARS-CoV-2 (COVID-19) S protein RBD, His, Avitag™ (MALS verified)
S protein RBD	<a href="#">SPD-C5255</a>	SARS-CoV-2	HEK293	SARS-CoV-2 (COVID-19) S protein RBD, Fc Tag (MALS verified)
S protein RBD	<a href="#">SPD-S52H6</a>	SARS	HEK293	SARS S protein RBD, His Tag (MALS verified)
Nucleocapsid protein	<a href="#">NUN-C51H9</a>	SARS-CoV-2	<i>E.coli</i>	SARS-CoV-2 (COVID-19) Nucleocapsid protein, His Tag
Nucleocapsid protein	<a href="#">NUN-C5227</a>	SARS-CoV-2	HEK293	SARS-CoV-2 (COVID-19) Nucleocapsid protein, His Tag