

Active Recombinant SARS-CoV-2 S Protein, His-tagged

Cat. No. S-005S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 Spike protein (RBD) with a His tag was expressed in Human Cells.
Species	SARS-CoV-2
Source	Human Cells
Description	SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. 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. It is believed that SARS-CoV-2 Spike Protein (RBD) has potential value for the diagnosis of the virus.
Form	Liquid
Bio-activity	SARS-CoV-2 Spike protein (RBD, His Tag) can bind with Human ACE2 in functional ELISA assay.
Molecular Mass	30 KD
Purity	> 90% as analyzed by SDS-PAGE
Storage	The product can be stored at -20 centigrade or below. Avoid repeated freezing and

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thawing cycles. The shelf life of the product is unspecified.

Storage Buffer PBS, pH 7.2

GENE INFORMATION

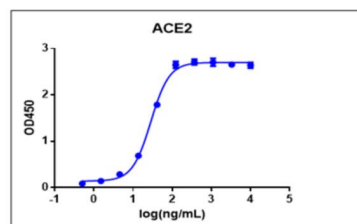
Gene Name S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]

Official Symbol S

Synonyms S; surface glycoprotein; spike glycoprotein; surface glycoprotein

Gene ID 43740568

UniProt ID P0DTC2



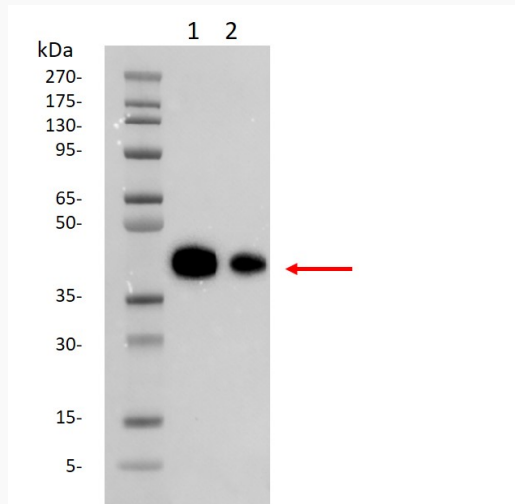
Immobilized ACE-2 Fc Chimera, Human at 2 µg/mL can bind SARS-CoV-2 Spike protein (RBD, His Tag) with a serial dilution. THETM His Tag Antibody [HRP], mAb, Mouse is used as a secondary antibody (0.2 µg/mL).

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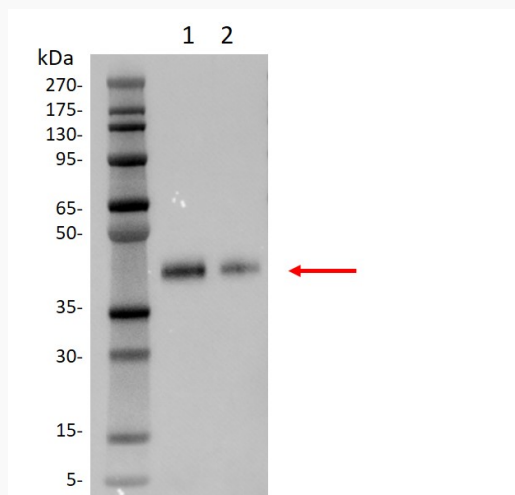
**Western blot
analysis of SARS-
CoV-2 Spike protein
(RBD, His Tag) using
S1 Antibody**



Lane 1: 10 ng of SARS-CoV-2 Spike protein (RBD, His Tag)

Lane 2: 5 ng of SARS-CoV-2 Spike protein (RBD, His Tag)

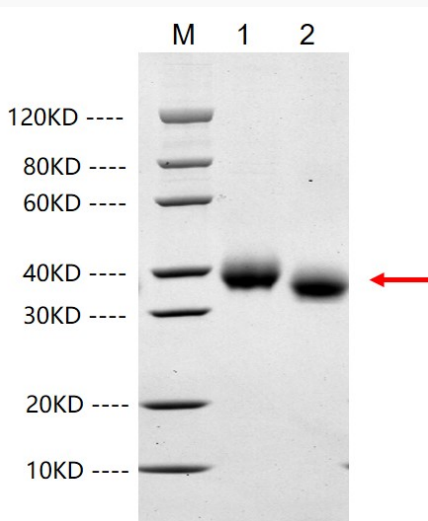
**Western blot
analysis of SARS-
CoV-2 Spike protein
(RBD, His Tag) using
His Antibody.**



Lane 1: 10 ng of SARS-CoV-2 Spike protein (RBD, His Tag)

Lane 2: 5 ng of SARS-CoV-2 Spike protein (RBD, His Tag)

SDS-PAGE



1: 2 µg of RBD, reducing (R)
2: 2 µg of RBD, non-reducing (N)

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