

Datasheet for ABIN7274398

## SARS-CoV-2 Spike Protein (RBD) (mFc Tag)



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### 4 Images

#### Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Protein Characteristics:	RBD
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Spike protein is labelled with mFc Tag.

#### Product Details

Sequence:	Arg319-Asn532
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized SARS-COV-2 Spike RBD at 0.2µg/ml (100µl/Well). Dose response curve for Human ACE2, hFc Tag with the EC50 of 60.9ng/ml determined by ELISA. See testing image for detail.

#### Target Details

Target:	SARS-CoV-2 Spike
Abstract:	<a href="#">SARS-CoV-2 Spike Products</a>
Background:	S protein RBD, S glycoprotein RBD, Spike protein RBD, The spike protein (S) of coronavirus (CoV)

Target Details

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.

Molecular Weight: 49.7 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

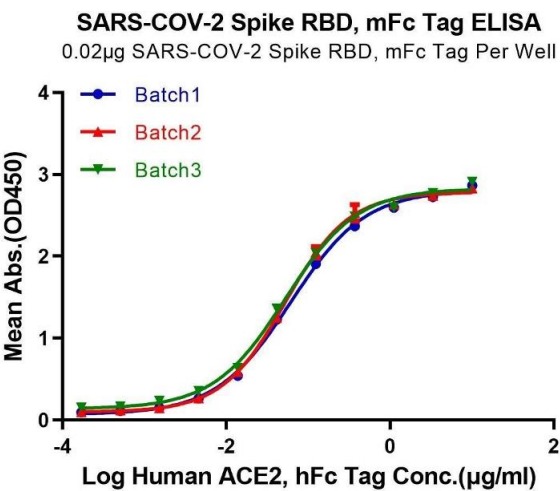
Buffer: Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

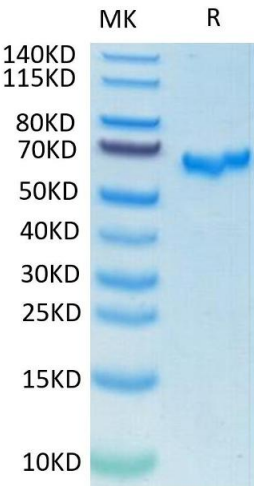
Expiry Date: 12 months

Images



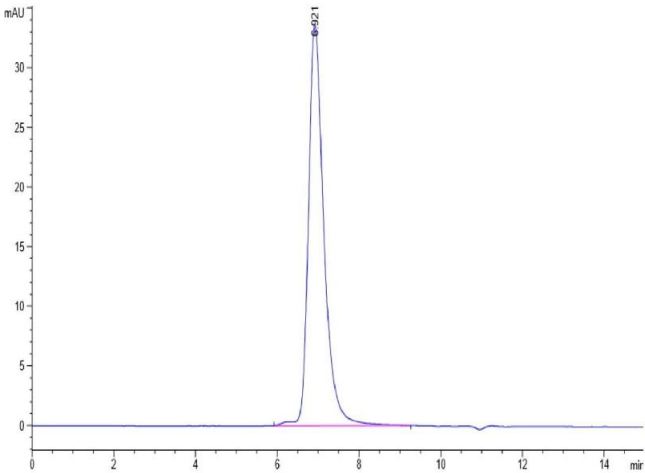
ELISA

**Image 1.** Immobilized SARS-COV-2 Spike RBD at 0.2 µg/mL (100 µL/Well). Dose response curve for Human ACE2, hFc Tag with the EC50 of 60.9/52.6/52.6 ng/mL determined by ELISA.



SDS-PAGE

**Image 2.** SARS-COV-2 Spike RBD on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of SARS-COV-2 Spike RBD is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274398.