

Product datasheet

Recombinant human coronavirus SARS-CoV-2 Spike Glycoprotein S1 (mutated Q677H) (Active) ab289629

2 Images

Description

<b>Product name</b>	Recombinant human coronavirus SARS-CoV-2 Spike Glycoprotein S1 (mutated Q677H) (Active)
<b>Biological activity</b>	Immobilized ACE2 Protein, Human, Recombinant (mFc Tag) at 2 µg/mL (100 µL/well) can bind ab289629, the EC <sub>50</sub> of ab289629 is 100-600 ng/mL.
<b>Purity</b>	> 90 % SDS-PAGE.
<b>Endotoxin level</b>	< 1.000 Eu/µg
<b>Expression system</b>	HEK 293 cells
<b>Accession</b>	<a href="#">P0DTC2</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human coronavirus
<b>Predicted molecular weight</b>	77 kDa
<b>Molecular weight information</b>	ab289629 consists of 681 amino acids and predicts a molecular mass of 76.5 kDa. As a result of glycosylation, it migrates as an approximately 112.2 kDa band in SDS-PAGE under reducing conditions.
<b>Amino acids</b>	1 to 685
<b>Modifications</b>	mutated Q677H
<b>Tags</b>	His tag C-Terminus
<b>Additional sequence information</b>	YP_009724390.1

Specifications

Our [Abpromise guarantee](#) covers the use of **ab289629** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Functional Studies SDS-PAGE
<b>Form</b>	Lyophilized

## Preparation and Storage

### Stability and Storage

Shipped at Room Temperature. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 89% PBS, 5% Mannitol, 5% Trehalose, 0.01% Tween 80

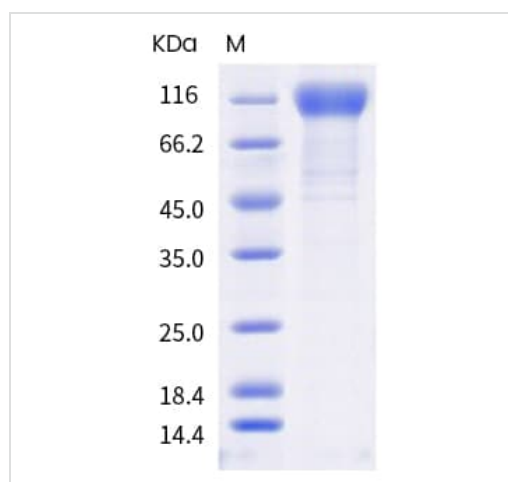
The formulation is lot specific. Please contact our Technical Support team for details.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

### Reconstitution

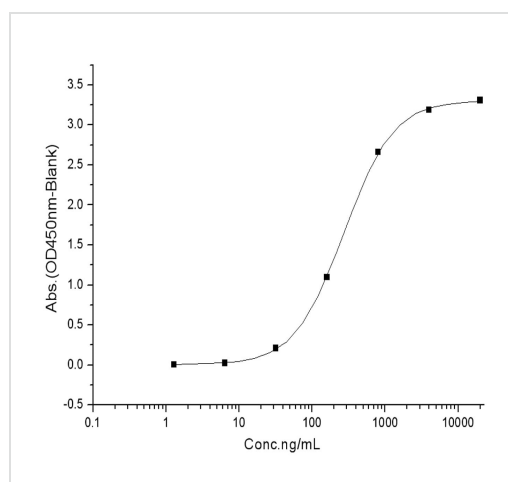
Lot specific

## Images



SDS PAGE analysis of ab289629

SDS-PAGE - Recombinant human coronavirus SARS-CoV-2 Spike Glycoprotein S1 (mutated Q677H) (Active) (ab289629)



Immobilized ACE2 Protein, Human, Recombinant (mFc Tag) at 2 µg/mL (100 µL/well) can bind ab289629, the EC<sub>50</sub> of ab289629 is 100-600 ng/mL.

ELISA - Recombinant SARS-CoV-2 Spike Glycoprotein S1 (mutated Q677H) (ab289629)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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