

## Product datasheet

# Anti-SARS-CoV-2 Spike Glycoprotein S1 antibody [CR3022] - Rat IgG2 $\alpha$ (Chimeric) ab273886

Recombinant

[2 Images](#)

### Overview

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<b>Product name</b>	Anti-SARS-CoV-2 Spike Glycoprotein S1 antibody [CR3022] - Rat IgG2 $\alpha$ (Chimeric)
<b>Description</b>	Rat monoclonal [CR3022] to SARS-CoV-2 Spike Glycoprotein S1 - Chimeric
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> Indirect ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> SARS-CoV-2
<b>Immunogen</b>	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>This rat monoclonal chimeric antibody (ab273886) was developed to have a rat IgG2<math>\alpha</math> isotype. Other isotypes of clone CR3022 available:</p> <p><b><u>ab278112</u></b> – human IgA <b><u>ab273073</u></b> – human IgG1 <b><u>ab273074</u></b> – rabbit IgG <b><u>ab278111</u></b> – human IgM</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.02% Proclin 300 Solution Constituent: 99% PBS
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	CR3022

## Applications

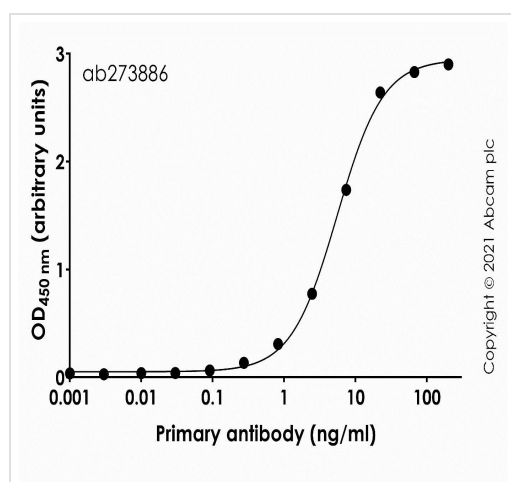
### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab273886 in the following tested applications.

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

Application	Abreviews	Notes
Indirect ELISA		Use at an assay dependent concentration.

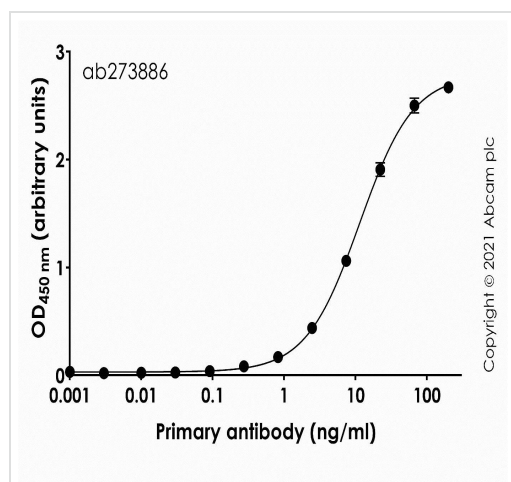
## Images



Indirect ELISA - Anti-SARS-CoV-2 Spike  
Glycoprotein S1 antibody [CR3022] - Rat IgG2a  
(Chimeric) (ab273886)

Indirect ELISA showing rat chimeric ab273886 (CR3022) binding to **ab272105** (recombinant human coronavirus SARS-CoV-2 Spike Glycoprotein S1 (sheep Fc fusion)).

Plates were coated with 100ng/well **ab272105** and binding of ab273886 assessed in serial dilution from 200ng/ml primary antibody in quadruplicate. Binding was detected using a pre-adsorbed anti-rat IgG Fc secondary conjugated to HRP. Data are represented as the mean and error bars represent standard deviation.



Indirect ELISA - Anti-SARS-CoV-2 Spike  
Glycoprotein S1 antibody [CR3022] - Rat IgG2a  
(Chimeric) (ab273886)

Indirect ELISA showing rat chimeric ab273886 (CR3022) binding to **ab273068** (recombinant human coronavirus SARS-CoV-2 Spike Glycoprotein S1 (Active)).

Plates were coated with 100ng/well **ab272105** and binding of ab273886 assessed in serial dilution from 200ng/ml primary antibody in quadruplicate. Binding was detected using a pre-adsorbed anti-rat IgG Fc secondary conjugated to HRP. Data are represented as the mean and error bars represent standard deviation.

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

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- 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.

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