

# SARS-CoV-2 (COVID-19) Spike S1 antibody [HL1]

**Cat. No. GTX635656**

<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IP, ELISA, Sandwich ELISA
<b>Reactivity</b>	SARS Coronavirus 2

References ( 6 )

Package

100 µl, 25 µl

## Applications

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	1:100-1:1000
IP	Assay dependent
ELISA	Assay dependent
Sandwich ELISA	Assay dependent

**Note : Capture : GTX632604, Detection: GTX635656**

Not tested in other applications.

### Product Note

This antibody detects SARS-CoV-2 Spike protein, but does not cross-react with SARS-CoV or MERS-CoV spike proteins based on our internal testing.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservatives
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminal region of SARS-CoV-2 (COVID-19) spike (SARS-CoV-2 (strain Wuhan-Hu-1)). The exact sequence is proprietary.
<b>Purification</b>	Affinity purified by protein A.
<b>Conjugation</b>	Unconjugated



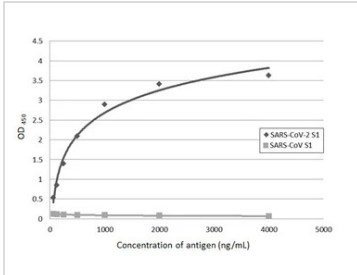
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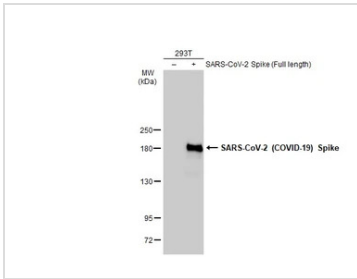
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**Note**

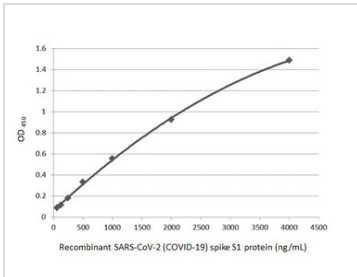
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**

**GTx635656 ELISA Image**

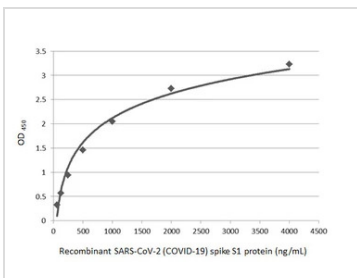
Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) spike S1 subunit protein or recombinant SARS-CoV spike S1 subunit protein (62.5–4000 ng/mL). Coated protein probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL1] (GTx635656) (1 µg/mL). Rabbit IgG antibody (HRP) (GTx213110-01) (1:10000) detected bound primary antibody.


**GTx635656 WB Image**

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL1] (GTx635656) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.


**GTx635656 ELISA Image**

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike S1 protein, His tag (active) protein (GTx135817-pro) (4000–62.5 ng/mL). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL1] (GTx635656) (1 µg/mL). Rabbit IgG antibody (HRP) (GTx213110-01) (1:10000) was used to detect bound primary antibody.


**GTx635656 ELISA Image**

Indirect ELISA analysis was performed by coating plate with 50 µL of recombinant SARS-CoV-2 (COVID-19) spike S1 subunit protein at concentrations ranging from 0.0625 µg/mL to 4 µg/mL. The coated protein is detected with (GTx635656) at 1 µg/mL. Rabbit IgG antibody (HRP) (GTx213110-01) was diluted at 1:10000 and used to detect the primary antibody.



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