

# SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1002]

**Cat. No. GTX635791**

<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Application</b>	ELISA, Lateral Flow, Neutralizing/Inhibition, Sandwich ELISA
<b>Reactivity</b>	SARS Coronavirus 2

Reference ( 4 )

★★★★★ Review ( 1 )

Package

100 µl, 25 µl

## APPLICATION

### Application Note

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

Suggested dilution	Recommended dilution
ELISA	Assay dependent
Lateral Flow	Assay dependent
Neutralizing/Inhibition	Assay dependent
Sandwich ELISA	Assay dependent

**Note : Capture : GTX632604 / GTX635792 / GTX635807, Detection : GTX635791 / GTX635791-01 or Capture : GTX635791, Detection : GTX635807 / GTX635792-01.**

**Please notice that the detection antibody needs to be conjugated to HRP to function as the detection antibody when paired with the capture antibody. Please contact us for custom HRP-conjugated antibody.**

Not tested in other applications.

## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservative
<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>	Full length SARS-coV-2 RBD recombinant protein. (Wuhan-Hu-1)
<b>Purification</b>	Affinity purified by Protein A.
<b>Conjugation</b>	Unconjugated



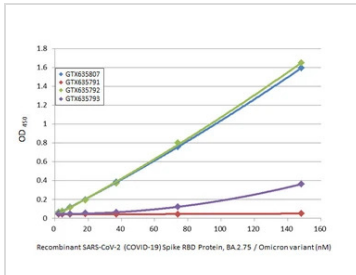
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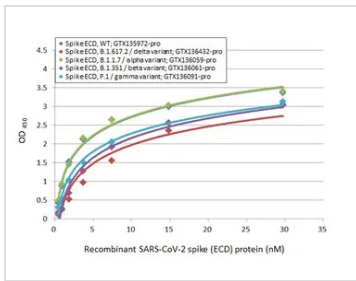
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**Note**

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**DATA IMAGES**

**GTx635791 ELISA Image**

Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 (COVID-19) Spike RBD Protein, Omicron / BA.2.75 variant, His tag (GTX137422-pro) (148.15-2.31 nM). Coated protein was probed with the specified SARS-CoV-2 (COVID-19) Spike RBD antibodies (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect the bound primary antibody.


**GTx635791 ELISA Image**

Indirect ELISA analysis performed by coating plate with recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.1.7 alpha variant; B.1.351 beta variant; P.1 gamma variant; B.1.617.2 delta variant) (29.71-0.46 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1002] (GTX635791) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.


**GTx635791 Lateral Flow Image**

SARS-CoV-2 neutralizing antibody interferes with the binding of ACE2 and spike RBD proteins. The signal intensity of the test line (T) decreases due to competition by the neutralizing antibody, while the control line (C) demonstrates a valid test.

**Neutralizing Antibody:** Spike RBD antibody [HL1002] (GTX635791)

C Line:

**Detector:** Colloidal gold-conjugated human ACE2 (ECO) protein (GTX135683-pro) / **Capture:** Anti-human ACE2 antibody (GTX635897)

T Line:

**Detector:** Colloidal gold-conjugated human ACE2 (ECO) protein (GTX135683-pro) / **Capture:** SARS-CoV-2 Spike RBD protein



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