

## SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003]

Cat. No. GTX635792

|              |  |
|--------------|--|
| Host         | Rabbit   |
| Clonality    | Monoclonal   |
| Isotype      | IgG  |
| Applications | ICC/IF, ELISA, Neutralizing/Inhibition, Sandwich ELISA |
| Reactivity   | SARS Coronavirus 2                                     |

References ( 6 )

★★★★★ Review ( 2 )

Package

100 µl, 25 µl

## Applications

## Application Note

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

| Suggested dilution      | Recommended dilution |
|-------------------------|----------------------|
| ICC/IF                  | 1:100-1:1000         |
| ELISA                   | Assay dependent      |
| Neutralizing/Inhibition | Assay dependent      |
| Sandwich ELISA          | Assay dependent      |

**Note : This antibody inhibits infection of mammalian cells by live SARS-CoV-2.**

**Capture : GTX632604 / GTX635807, Detection : GTX635792-01 or Capture : GTX635792, Detection : GTX635807. Please notice that GTX635807 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635792. Please contact us for custom HRP-conjugated antibody.**

Not tested in other applications.

## Product Note

This antibody detects SARS-Cov-2 Omicron Spike RBD protein (BA.1 and BA.2) and blocks the binding of Omicron Spike RBD protein with ACE2 protein. It detects SARS-CoV-2 Spike protein, but does not cross-react with SARS-CoV spike protein based on customer's feedback.

## Properties

|               |  |
|---------------|--|
| Form          | Liquid   |
| Buffer        | PBS  |
| Preservative  | No preservatives   |
| Storage       | 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. |
| Concentration | 1 mg/ml (Please refer to the vial label for the specific concentration.)   |
| Immunogen     | Recombinant protein corresponding to SARS-CoV-2 (COVID-19) Spike RBD (SARS-CoV-2 (strain Wuhan-Hu-1)). The exact sequence is proprietary.  |
| Purification  | Affinity purified by Protein A.  |



For full product information, images and publications, please visit our [website](#).

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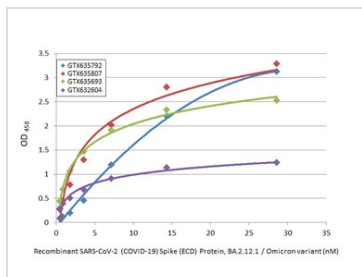
**Conjugation**

Unconjugated

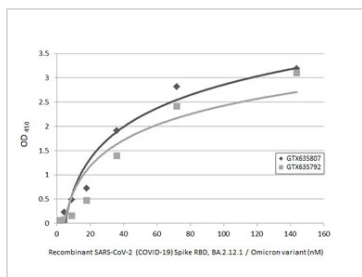
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**Note**

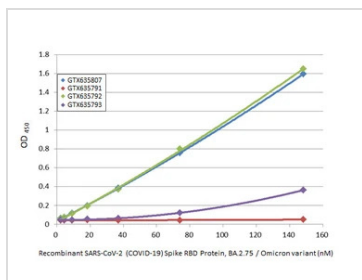
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**

**GTx635792 ELISA Image**

Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.2.12.1 variant, His tag (GTX137114-pro) (28.62-0.45 nM). Coated protein was probed with the specified SARS-CoV-2 (COVID-19) Spike antibodies (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) or goat anti-mouse IgG antibody (HRP) (GTX213111-01) (1:10000) were used to detect the bound primary antibodies.

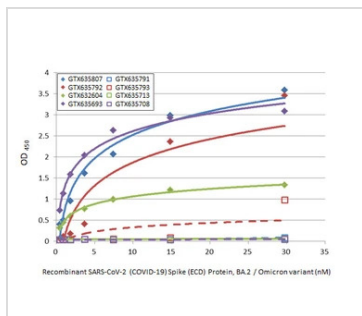

**GTx635792 ELISA Image**

Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 (COVID-19) Spike RBD Protein, Omicron / BA.2.12.1 variant, His tag (GTX137249-pro) (143.68-2.24 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.


**GTx635792 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.

\*The competitor is not affiliated with GeneTex and does not endorse this product.


**GTx635792 ELISA Image**

Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 (COVID-19) Spike (ECD) Protein, BA.2 / Omicron variant, His tag (GTX137037-pro) (29.71-0.46 nM). Coated protein was probed with the specified SARS-CoV-2 (COVID-19) Spike antibodies (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) or goat anti-mouse IgG antibody (HRP) (GTX213111-01) (1:10000) were used to detect the bound primary antibodies.

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