

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 (5)

★★★★★ 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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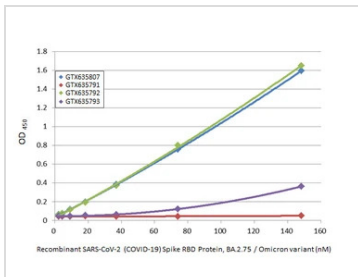
Conjugation

Unconjugated

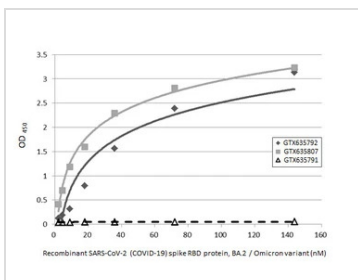
Note

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

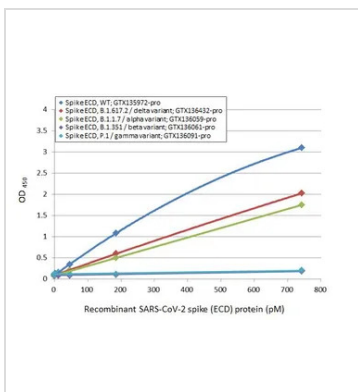
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DATA IMAGES

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.


GTx635792 ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike RBD Protein, BA.2 / Omicron variant, His tag (GTx136905-pro) (143.73-2.25 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (GTx635792), SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTx635807), and 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.


GTx635792 ELISA Image

Sandwich ELISA detection of recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.617.2 delta variant; B.1.1.7 alpha variant; B.1.351 beta variant; P.1 gamma variant) using antibodies as below.

Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTx635807) (5 µg/mL)

Detection: HRP-conjugated SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (GTx635792) (1 µg/mL)

Please notice that GTx635792 needs to be conjugated to HRP to function as the detection antibody when paired with GTx635807. Please contact us for custom HRP-conjugated antibody.



For full product information, images and publications, please visit our [website](https://www.genetex.com).