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 4ºC. For long-term storage, aliquot and store at -20ºC 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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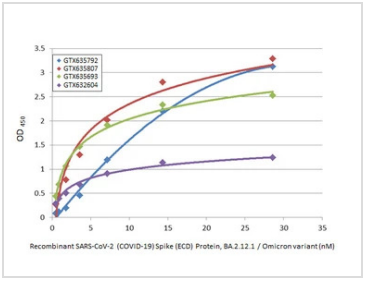
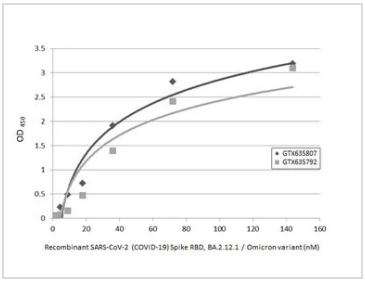
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



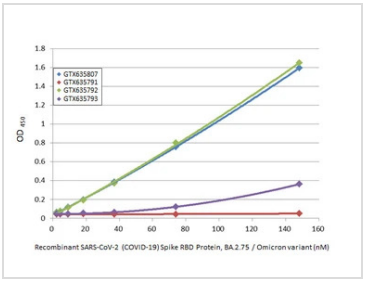
GTX635792 ELISA Image

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.



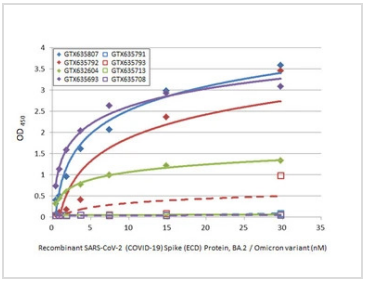
GTX635792 ELISA Image

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.



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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