SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1004]

Cat. No. GTX635793

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

References (1)
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 : GTX635793-01 or Capture : GTX635793, Detection : GTX635807. Please notice that GTX635807 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635793. Please contact us for custom HRP-conjugated antibody.

Not tested in other applications.

Product Note	This antibody detects SARS-CoV-2 Spike protein, but does not cross-react with SARS-CoV spike protein based on customer?□ feedback. This antibody is able to detect SARS-CoV-2 Spike RBD (N501Y mutant) protein.

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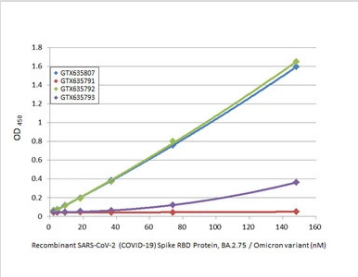
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine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

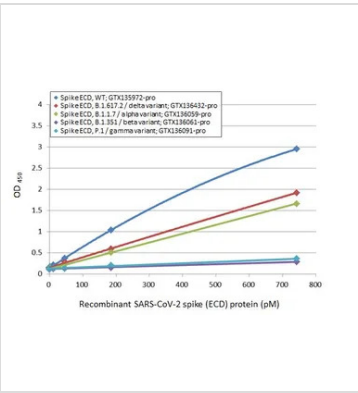
DATA IMAGES



GTX635793 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.

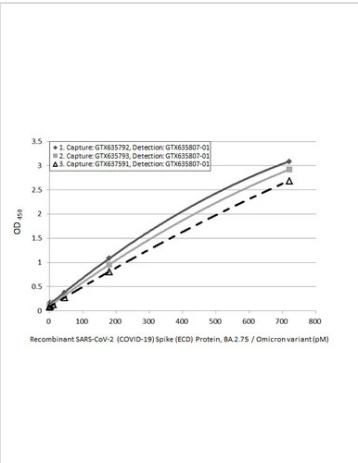
*The competitor is not affiliated with GeneTex and does not endorse this product.



GTX635793 ELISA Image

Sandwich ELISA detection of recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B1.617.2 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 [HL1004] (GTX635793) (1 µg/mL)
Please notice that GTX635793 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635807. Please contact us for custom HRP-conjugated antibody.



GTX635793 ELISA Image

Sandwich ELISA detection of SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.2.75 variant, His tag (GTX137533-pro) using ELISA pairs below.
Pair 1:
Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (GTX635792) (5 µg/mL)
Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (HRP) (GTX635807-01) (1 µg/mL)
Pair 2:
Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1004] (GTX635793) (5 µg/mL)
Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (HRP) (GTX635807-01) (1 µg/mL)
Pair 3:
Capture: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (GTX637591) (5 µg/mL)
Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (HRP) (GTX635807-01) (1 µg/mL)

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