SARS-CoV-2 (COVID-19) Spike S1 antibody [HL13402]

Cat. No. GTX635713

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

Package
100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	Assay dependent
ELISA	Assay dependent
Sandwich ELISA	Assay dependent

Note : Capture : GTX632604 / GTX636042, Detection: GTX635713

Not tested in other applications.

Product Note	This antibody detects SARS-CoV-2 Spike protein, but does not cross-react with SARS-CoV or MERS-CoV spike proteins based on our internal testing.

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	Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of SARS-CoV-2 (COVID-19) Spike (SARS-CoV-2 (strain Wuhan-Hu-1)). The exact sequence is proprietary.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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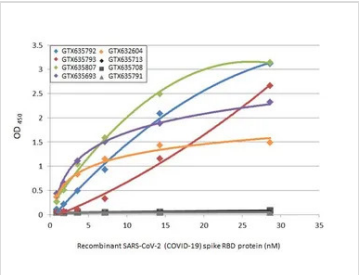
Note

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

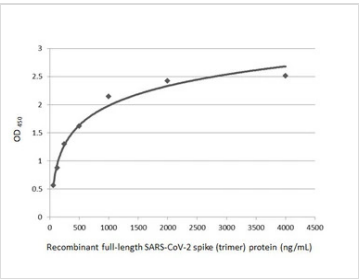
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



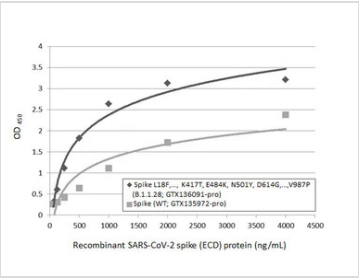
GTX635713 ELISA Image

Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 spike (ECD) trimer, omicron BA.2.75 variant, His tag (GTX137533-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) was used to detect the bound primary antibody.



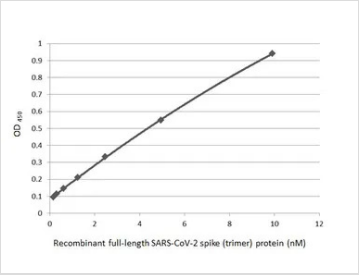
GTX635713 ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant full-length SARS-CoV-2 spike (trimer) protein (4000-62.5 ng/mL). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL13402] (GTX635713) (1 µg/mL). Rabbit IgG antibody (HRP) (GTX213111-01) (1:10000) was used to detect bound primary antibody.



GTX635713 ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike (L18F,..., K417T, E484K, N501Y, D614G,...,V987P)(ECD), His tag (active) (B.1.1.28) (GTX136091-pro) and SARS-CoV-2 (COVID-19) Spike (ECD) protein, His tag (active) (WT) (GTX135972-pro) (4000-62.5 ng/mL). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL13402] (GTX635713) (1 µg/mL). Rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



GTX635713 ELISA Image

Sandwich ELISA detection of recombinant SARS-CoV-2 spike (trimer) protein using antibodies as below.
Capture: SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9] (GTX632604) (5 µg/mL)
Detection: SARS-CoV-2 (COVID-19) Spike S1 antibody [HL13402] (GTX635713) (1 µg/mL).

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