

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

Cat. No. GTX635713

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

Package

100 µl, 25 µl

APPLICATION

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 preservative
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	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



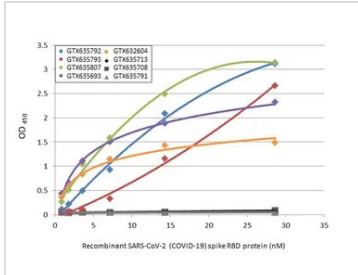
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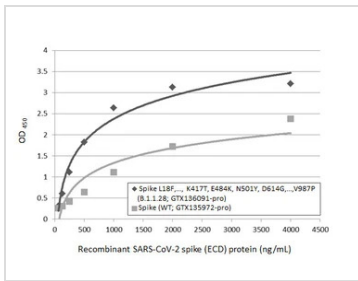
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Note

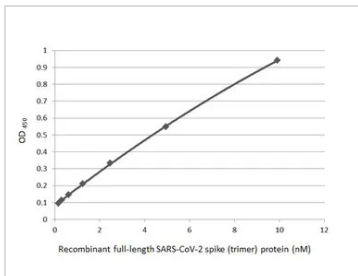
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DATA IMAGES

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

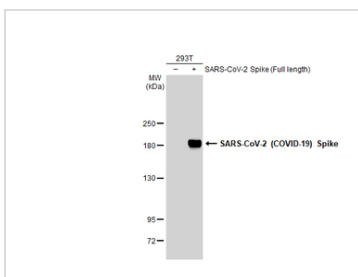
Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike (L18F, ..., K417T, E484K, N501Y, D614G, ..., V987P) (ECD), His tag (active) (B.1.1.28) (GTx136091-pro) and SARS-CoV-2 (COVID-19) Spike (ECD) protein, His tag (active) (WT) (GTx135972-pro) (4000-62.5 ng/mL). 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).


GTx635713 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL13402] (GTx635713) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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