SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134]

Cat. No. GTX635671

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Application	WB, ICC/IF, ELISA, IHC-P (cell pellet)
Reactivity	SARS Coronavirus 2

Reference (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	1:100-1:1000
ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent

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 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 encompassing a sequence within the N-terminus region of SARS-CoV-2 (COVID-19) spike (S1) (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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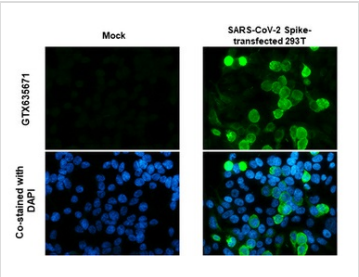
Note

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

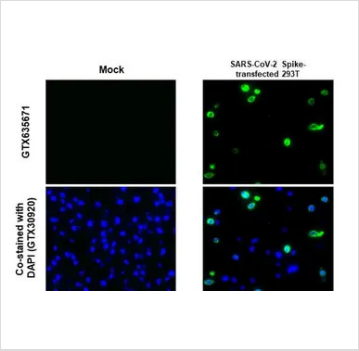
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



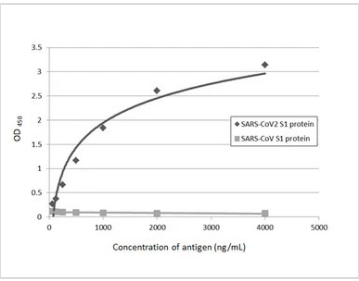
GTX635671 ICC/IF Image

SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] detects SARS-CoV-2 (COVID-19) Spike protein by immunofluorescent analysis.
Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: SARS-CoV-2 (COVID-19) Spike stained by SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] (GTX635671) diluted at 1:500.
Blue: Fluoroshield with DAPI (GTX30920).



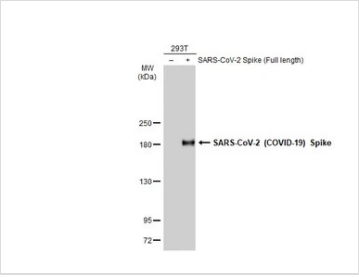
GTX635671 IHC-P (cell pellet) Image

SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] detects SARS-CoV-2 (COVID-19) Spike S1 protein by immunohistochemical analysis.
Sample: Mock (GTX435670) and SARS-CoV-2 (COVID-19) Spike transfected 293T cell FFPE Cell Pellet Block (GTX435640).
Green: SARS-CoV-2 (COVID-19) Spike S1 stained by SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] (GTX635671) diluted at 1:1000.
Blue: Fluoroshield with DAPI (GTX30920).
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX635671 ELISA Image

Indirect ELISA analysis was performed by coating plate with 50 µL of recombinant SARS-CoV-2 (COVID-19) spike S1 subunit protein, and SARS-CoV spike S1 subunit protein at concentrations ranging from 0.0625 µg/mL to 4 µg/mL. The coated protein is detected with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] (GTX635671) at 1 µg/mL. Rabbit IgG antibody (HRP) (GTX213110-01) was diluted at 1:10000 and used to detect the primary antibody.



GTX635671 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 [HL134] (GTX635671) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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