SARS-CoV-2 (COVID-19) Spike S1 antibody [HL263]

Cat. No. GTX635672

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

References (3)
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	1:100-1:1000
FCM	Assay dependent
ELISA	Assay dependent
Sandwich ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent

Note : Capture : GTX635708 / GTX632604, Detection : GTX635672

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	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.

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

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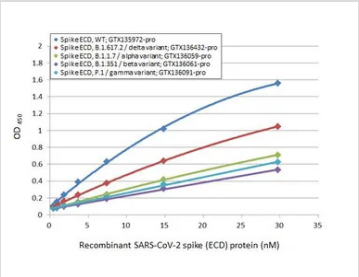
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine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

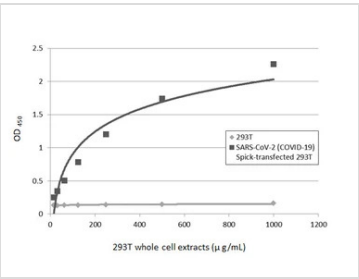
DATA IMAGES



GTX635672 ELISA Image

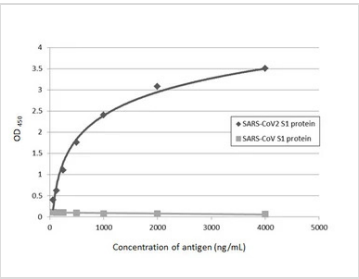
Sandwich ELISA detection of recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.1.7 alpha variant; B.1.351 beta variant; P.1 gamma variant; B1.617.2 delta variant) using antibodies as below.

Capture: SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9] (GTX632604) (5 µg/mL)
Detection: SARS-CoV-2 (COVID-19) Spike S1 antibody [HL263] (GTX635672) (1 µg/mL)



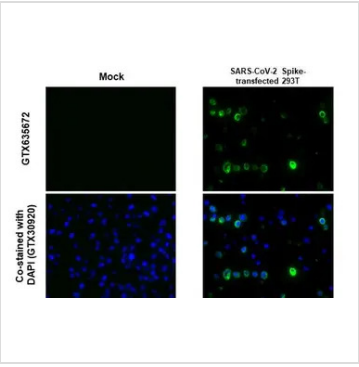
GTX635672 ELISA Image

Sandwich ELISA detection of non-transfected and SARS-CoV-2 spike (full length) transfected 293T whole cell extracts using SARS-CoV-2 (COVID-19) Spike S1 antibody [GT263] (GTX635708) as capture antibody at concentration of 5 脊g/mL and SARS-CoV-2 (COVID-19) Spike S1 antibody [HL263] (GTX635672) as detection antibody at concentration of 1 脊g/mL. Rabbit IgG antibody (HRP) (GTX213110-01) was diluted at 1:10000 and used to detect the primary antibody.



GTX635672 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 [HL263] (GTX635672) at 1 µg/mL. Rabbit IgG antibody (HRP) (GTX213110-01) was diluted at 1:10000 and used to detect the primary antibody.



GTX635672 IHC-P (cell pellet) Image

SARS-CoV-2 (COVID-19) Spike S1 antibody [HL263] 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 [HL263] (GTX635672) diluted at 1:1000.
Blue: Fluoroshield with DAPI (GTX30920).
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

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