SARS-CoV-2 (COVID-19) Spike RBD antibody

Cat. No. GTX135709

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, FCM, ELISA, Neutralizing/Inhibition, 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	Assay dependent
FCM	Assay dependent
ELISA	Assay dependent
Neutralizing/Inhibition	Assay dependent
Sandwich ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent
Note : Capture : GTX632604 , Detection : GTX135709	

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, 20% Glycerol
Preservative	0.025% ProClin 300
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	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein corresponding to SARS-CoV-2 (COVID-19) Spike RBD (SARS-CoV-2 (strain Wuhan-Hu-1)). The exact sequence is proprietary.

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

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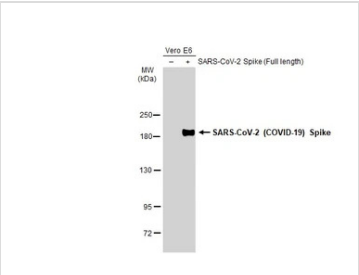
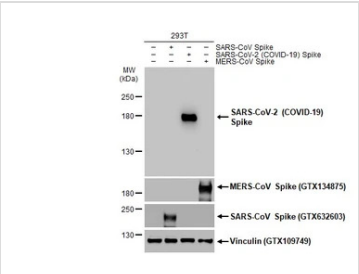
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze,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

DATA IMAGES



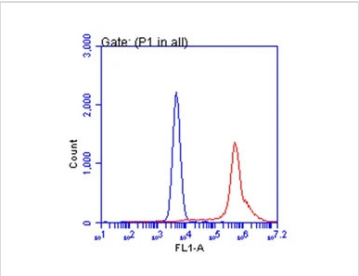
GTX135709 WB Image

Non-transfected (–) and transfected (+) Vero E6 whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) Spike RBD antibody (GTX135709) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



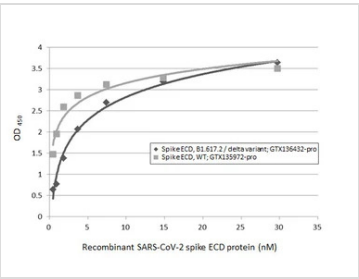
GTX135709 WB Image

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 RBD antibody (GTX135709) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX135709 FCM Image

SARS-CoV-2 (COVID-19) Spike RBD antibody (GTX135709) detects SARS-CoV-2 (COVID-19) Spike RBD protein by flow cytometry analysis.
Sample: 293T cells transfected SARS-CoV-2 (2019-nCoV) Spike.
Blue: Unlabelled sample was used as a control.
Red: SARS-CoV-2 (COVID-19) Spike RBD antibody (GTX135709) dilution: 1:50.
Acquisition of 20,000 events were collected for FACS analysis.



GTX135709 ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B1.617.2 delta variant) (29.71-0.46 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody (GTX135709) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.

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