

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

**Cat. No. GTX135709**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, FCM, ELISA, Neutralizing /Inhibition, Sandwich ELISA, IHC-P (cell pellet)
<b>Reactivity</b>	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

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 20% Glycerol; 1% BSA
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	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.
<b>Concentration</b>	0.1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	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](#).

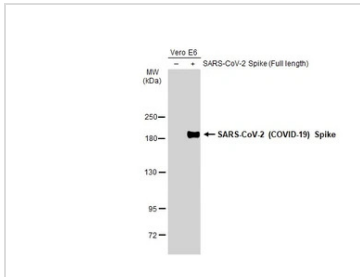
**Purification** Purified by antigen-affinity chromatography

**Conjugation** Unconjugated

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

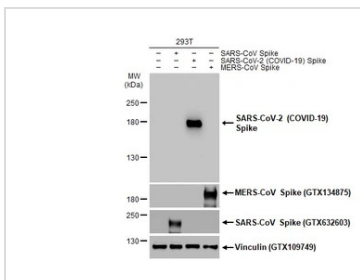
**Note** Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



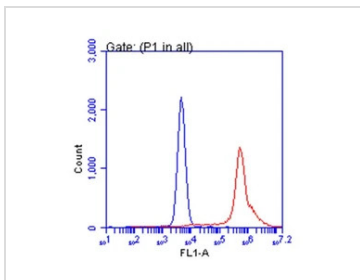
**GTX135709 WB Image**

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.



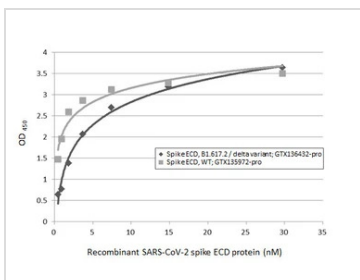
**GTX135709 WB Image**

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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