

## SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9]

**Cat. No. GTX632604**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr, FCM, IP, ELISA, EM, Sandwich ELISA, IHC-P (cell pellet)
<b>Reactivity</b>	SARS Coronavirus, SARS Coronavirus 2

References ( 424 )

★★★★★ Review ( 10 )

Package

100 µl, 25 µl

## Applications

**Application Note**

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:2000
IHC-P	1:100-1:500
IHC-Fr	Assay dependent
FCM	Assay dependent
IP	Assay dependent
ELISA	Assay dependent
EM	Assay dependent
Sandwich ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent

**Note : Recommended heat-Induced Epitope Retrieval pH 6.0 for 20 minutes.****Capture : GTX632604, Detection: GTX635654 / GTX135356 / GTX635672 / GTX135386 / GTX135360 / GTX635910 / GTX635911 / GTX635693 / GTX635792 / GTX635793 / GTX635713.****Recommend using GTX400033 (Trident RIPA Lysis Buffer with low SDS) as dilution buffer for diluting samples and antibodies in sandwich ELISA assay if including GTX632604 as capture antibody.**

Not tested in other applications.

**Product Note**

This antibody detects both SARS-CoV spike and SARS-CoV-2 spike proteins (S2 subunit). Based on sequence analysis, this antibody is predicted to recognize S2' subunit. Our internal testing indicates no cross-reactivity with MERS-CoV spike protein. This antibody is able to detect multiple SARS-CoV-2 VOCs, including Omicron variant.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 20% Glycerol

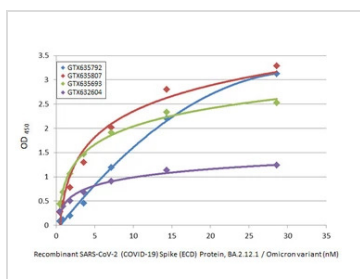


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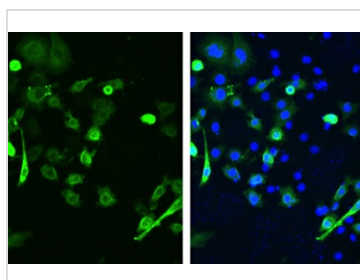
<b>Preservative</b>	No preservative
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	The immunogen used to generate this antibody corresponds to SARS-CoV SΔ10 (within S2 domain) protein (1029-1192 a.a.). (SARS-CoV strain: Sin2774) The exact sequence is proprietary.
<b>Purification</b>	Affinity purified by Protein G.
<b>Conjugation</b>	Unconjugated
<b>Note</b>	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



### GTx632604 ELISA Image

Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.2.12.1 variant, His tag (GTx137114-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) or goat anti-mouse IgG antibody (HRP) (GTx213111-01) (1:10000) were used to detect the bound primary antibodies.

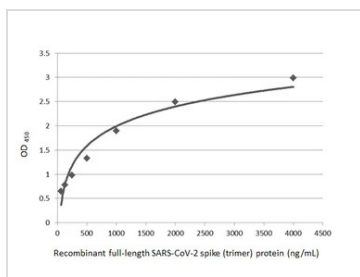


### GTx632604 ICC/IF Image

SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9] detects SARS-CoV-2 (COVID-19) spike protein by immunofluorescent analysis.

Sample: BHK-21 cells transfected with full-length SARS-CoV-2 spike were fixed in 4% paraformaldehyde at RT for 30 min.

Green: SARS-CoV-2 (COVID-19) spike stained by SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9] (GTx632604) diluted at 1:2000.



### GTx632604 ELISA Image

Sandwich ELISA detection of recombinant full-length SARS-CoV-2 spike (trimer) protein using GTx632604 as capture antibody at concentration of 5 µg/mL and GTx635672 as detection antibody at concentration of 1 µg/mL. Rabbit IgG antibody (HRP) (GTx213110-01) was diluted at 1:10000 and used to detect the primary antibody.



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