

# SARS-CoV-2 (COVID-19) Spike S2 antibody [GT8110]

**Cat. No. GTX636038**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Application</b>	WB, ELISA, Sandwich ELISA, IHC-P (cell pellet)
<b>Reactivity</b>	SARS Coronavirus 2

**Package**  
100 µl, 25 µl

## APPLICATION

### Application Note

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

Suggested dilution	Recommended dilution
WB	1:5000-1:1000000
ELISA	Assay dependent
Sandwich ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent

**Note : Capture : GTX636038 , Detection : GTX635910**

Not tested in other applications.

## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<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>	Recombinant protein encompassing a sequence within the extracellular domain of SARS-CoV-2 (COVID-19) Spike S2. The exact sequence is proprietary.
<b>Purification</b>	Affinity purified by Protein G.
<b>Conjugation</b>	Unconjugated

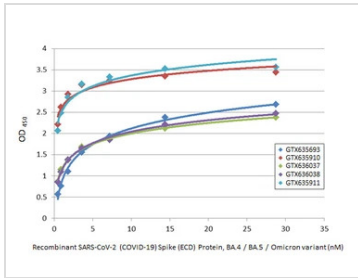
### Note

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

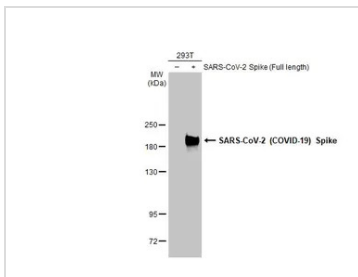
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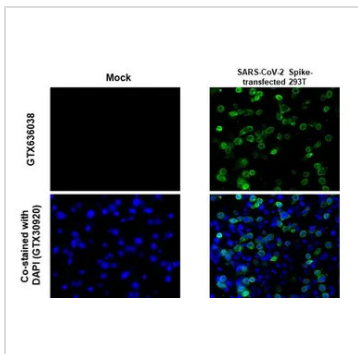
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**DATA IMAGES**

**GTx636038 ELISA Image**

Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.4 / BA.5 variant, His tag (GTx137113-pro) (28.78-0.45 nM). Coated protein was probed with the specified SARS-CoV-2 (COVID-19) Spike S2 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.


**GTx636038 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 S2 antibody [GT8110] (GTx636038) diluted at 1:100000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.


**GTx636038 IHC-P (cell pellet) Image**

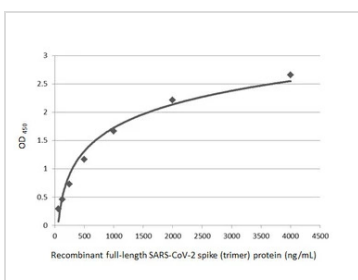
SARS-CoV-2 (COVID-19) Spike S2 antibody [GT8110] detects SARS-CoV-2 (COVID-19) Spike S2 protein at cytoplasm by immunohistochemical analysis.

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 S2 stained by SARS-CoV-2 (COVID-19) Spike S2 antibody [GT8110] (GTx636038) diluted at 1:1000.

Blue: Fluoroshield with DAPI (GTx30920).

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


**GTx636038 ELISA Image**

Sandwich ELISA detection of recombinant SARS-CoV-2 spike (trimer) protein using SARS-CoV-2 (COVID-19) Spike S2 antibody [GT8110] (GTx636038) as capture antibody at concentration of 5 µg/mL and SARS-CoV-2 (COVID-19) Spike S2 antibody [HL1038] (GTx635910) 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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