

# SARS-CoV-2 (COVID-19) Spike S1 antibody [GT263]

**Cat. No. GTX635708**

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

References ( 1 )

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      |
| ELISA               | Assay dependent      |
| Sandwich ELISA      | Assay dependent      |
| IHC-P (cell pellet) | Assay dependent      |

**Note : Capture : GTX635708, 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

|                      |                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>     | Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of SARS-CoV-2 (COVID-19) Spike (SARS-CoV-2 (strain Wuhan-Hu-1)). The exact sequence is proprietary.                          |
| <b>Purification</b>  | Affinity purified by Protein G.                                                                                                                                                                                            |
| <b>Conjugation</b>   | Unconjugated                                                                                                                                                                                                               |



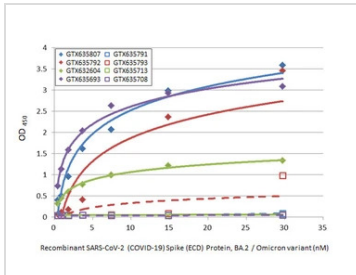
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### Note

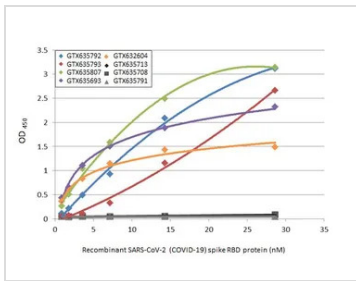
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## DATA IMAGES



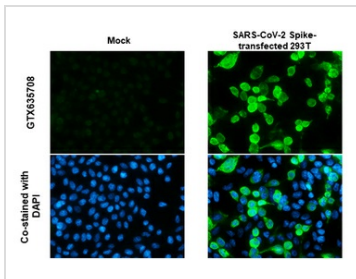
**GTX635708 ELISA Image**

Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 (COVID-19) Spike (ECD) Protein, BA.2 / Omicron variant, His tag (GTX137037-pro) (29.71-0.46 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.



**GTX635708 ELISA Image**

Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 spike (ECD) trimer, omicron BA.2.75 variant, His tag (GTX137533-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) was used to detect the bound primary antibody.



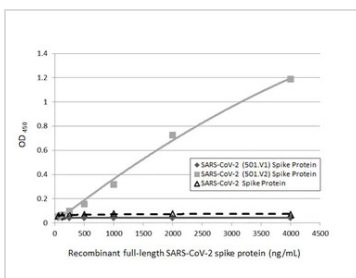
**GTX635708 ICC/IF Image**

SARS-CoV-2 (COVID-19) Spike S1 antibody [GT263] detects SARS-CoV-2 (COVID-19) Spike S1 protein by immunofluorescent analysis.

Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: SARS-CoV-2 (COVID-19) Spike S1 stained by SARS-CoV-2 (COVID-19) Spike S1 antibody [GT263] (GTX635708) diluted at 1:1000.

Blue: Fluoroshield with DAPI (GTX30920).



**GTX635708 ELISA Image**

Indirect ELISA analysis performed by coating plate with recombinant full-length SARS-CoV-2 (501.V1) spike protein, SARS-CoV-2 (501.V2) spike protein and SARS-CoV-2 spike protein (4000-62.5 ng/mL). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [GT263] (GTX635708) (1 µg/mL). Mouse IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



For full product information, images and publications, please visit our [website](#).