

# SARS-CoV-2 (COVID-19) Nucleocapsid antibody [GT113]

**Cat. No. GTX635808**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Application</b>	WB, ICC/IF, ELISA, Sandwich ELISA
<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	1:1000-1:10000
ICC/IF	Assay dependent
ELISA	Assay dependent
Sandwich ELISA	Assay dependent

**Note : Capture: GTX6353808, Detection: GTX635689**

Not tested in other applications.

### Product Note

This antibody detects SARS-CoV-2 nucleocapsid protein, but does not cross-react with SARS-CoV or MERS-CoV nucleocapsid 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>	Full length SARS-CoV-2 (COVID-19) nucleocapsid protein. (SARS-CoV-2 (strain Wuhan-Hu-1))
<b>Purification</b>	Affinity purified by Protein A.
<b>Conjugation</b>	Unconjugated



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

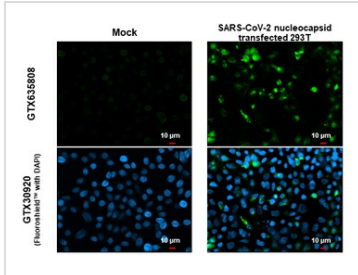
Date 2024 / 05 / 03 Page 1 of 2

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.

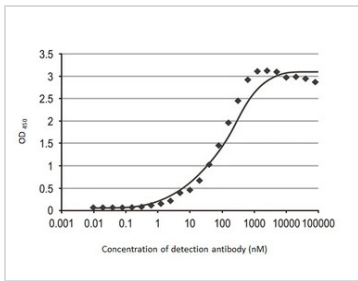
### DATA IMAGES



#### GTx635808 ICC/IF Image

SARS-CoV-2 (COVID-19) nucleocapsid antibody [GT113] detects SARS-CoV-2 (COVID-19) nucleocapsid protein at cytoplasm by immunofluorescent analysis.

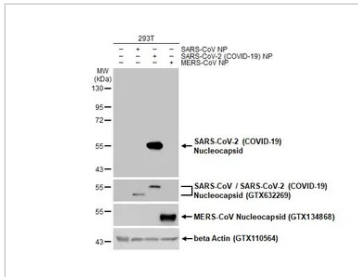
Sample: Mock and transfected transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: SARS-CoV-2 (COVID-19) nucleocapsid stained by SARS-CoV-2 (COVID-19) nucleocapsid antibody [GT113] (GTx635808) diluted at 1:2000.



#### GTx635808 ELISA Image

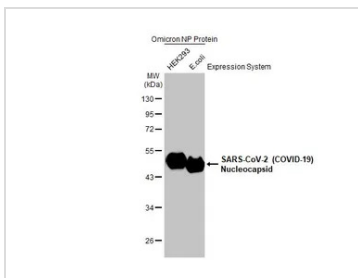
Indirect ELISA analysis performed by coating plate with recombinant full-length SARS-CoV-2 (COVID-19) nucleocapsid protein, His tag protein (GTx135592-pro) (50 ng). Coated protein probed with SARS-CoV-2 (COVID-19) nucleocapsid antibody [GT113] (GTx635808) ( $8 \times 10^3$ – $9.5 \times 10^{-3}$  nM). Rabbit IgG antibody (HRP) (GTx213110-01) (1:10000) detected bound primary antibody.

EC50 : 82.34 nM



#### GTx635808 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 μg) were separated by 10% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) nucleocapsid antibody [GT113] (GTx635808) diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



#### GTx635808 WB Image

SARS-CoV-2 (COVID-19) nucleocapsid protein, B.1.1.529 / Omicron variant, His tag (0.5 μg), expressed by HEK293 cells (GTx136779-pro) or E. coli (GTx03400-pro), were separated by 10% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) nucleocapsid antibody [GT113] (GTx635808) diluted at 1:20000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



For full product information, images and publications, please visit our [website](https://www.genetex.com).