

## SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5410]

**Cat No. GTX635685**

<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Application</b>	WB, ICC/IF, ELISA, Lateral Flow, Sandwich ELISA, IHC-P (cell pellet)
<b>Reactivity</b>	SARS Coronavirus, SARS Coronavirus 2

**Package**  
100 µl, 25 µl

## APPLICATION

**Application Note**

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

Suggested dilution	Dilution
WB	1:1000-1:10000
ICC/IF	Assay dependent
ELISA	Assay dependent
Lateral Flow	Assay dependent
Sandwich ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent

**Note : This antibody has been validated by lateral flow assay based on the customer's feedback.**

**Capture : GTX635685, Detection: GTX635678/GTX635688. Please notice that GTX635688/GTX635678 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635685. Please contact us for custom HRP-conjugated antibody.**

Not tested in other applications.

**Calculated MW** 55 kDa. ( [Note](#) )

**Product Note** This antibody detects both SARS-CoV nucleocapsid and SARS-CoV-2 nucleocapsid proteins. Our internal testing indicates no cross-reactivity with MERS-CoV nucleocapsid protein. Gold conjugation version is available (GTX635685-17).

## 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 Recombinant protein. (SARS-CoV-2 (strain Wuhan-Hu-1))



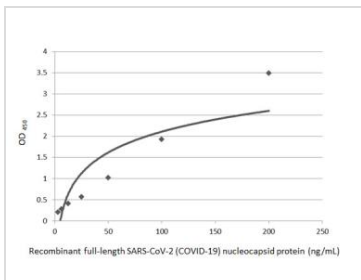
For full product information, images and publications, please visit our [website](#).

**Purification** Affinity purified by Protein A.

**Conjugation** Unconjugated

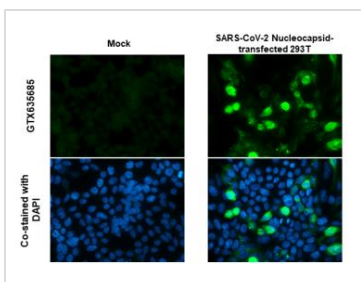
**Note** For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

DATA IMAGES



**GTX635685 ELISA Image**

Sandwich ELISA detection of recombinant full-length SARS-CoV-2 (COVID-19) nucleocapsid protein, His tag protein (GTX135592-pro) using SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5410] (GTX635685) as capture antibody at concentration of 5 µg/mL and HRP-conjugated SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL249] (GTX635678) as detection antibody at concentration of 1 µg/mL. Please notice that GTX635678 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635685. Please contact us for custom HRP-conjugated antibody.



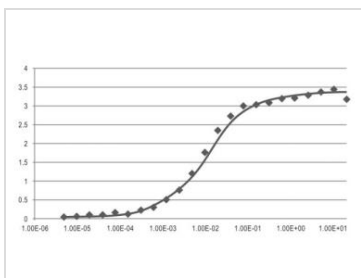
**GTX635685 ICC/IF Image**

SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5410] detects SARS-CoV-2 (COVID-19) nucleocapsid 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) nucleocapsid stained by SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5410] (GTX635685) diluted at 1:1000.

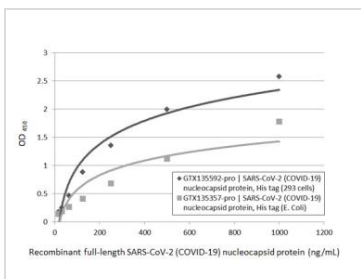
Blue: Fluoroshield with DAPI (GTX30920).



**GTX635685 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 [HL5410] (GTX635685) ( $20-4.8 \times 10^{-6}$  nM). Rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) detected bound primary antibody.

EC50 : 0.009 nM



**GTX635685 ELISA Image**

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) nucleocapsid protein, His tag protein (GTX135592-pro or GTX135357-pro) (15.63-1000 ng/mL). Coated protein probed with SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5410] (GTX635685) (1 µg/mL). Rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) detected bound primary antibody.



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