

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

Cat. No. GTX635685

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

References ( 3 )

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      |
| 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. ( <a href="#">Note</a> )   |
| 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). This antibody is able to detect multiple SARS-CoV-2 VOCs, including Omicron variant. |

## Properties

|               |  |
|---------------|--|
| Form          | Liquid   |
| Buffer        | PBS  |
| Preservative  | No preservatives   |
| Storage       | 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. |
| Concentration | 1 mg/ml (Please refer to the vial label for the specific concentration.)   |



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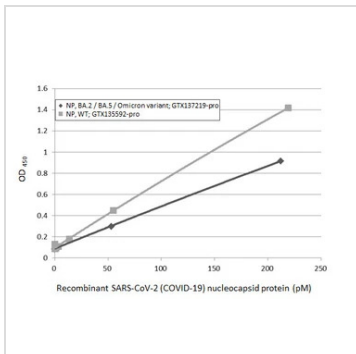
|                     |  |
|---------------------|--|
| <b>Immunogen</b>    | Full length SARS-CoV-2 (COVID-19) nucleocapsid Recombinant protein. (SARS-CoV-2 (strain Wuhan-Hu-1)) |
| <b>Purification</b> | Affinity purified by Protein A.  |
| <b>Conjugation</b>  | Unconjugated   |

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



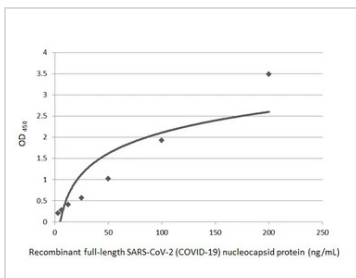
### GTX635685 ELISA Image

Sandwich ELISA detection of recombinant nucleocapsid protein(s) derived from different strains of SARS-CoV-2 virus (ie, Wild type; BA.2 / BA.5 Omicron variant) using antibodies as below.

**Capture:** SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5410] (GTX635685) (5 µg/mL)

**Detection:** HRP-conjugated SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL455] (GTX635688) (1 µg/mL)

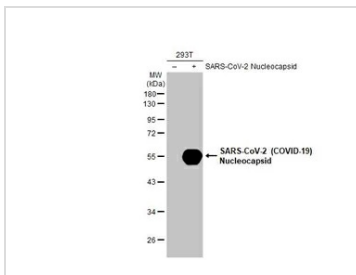
Please notice that GTX635688 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635685. Please contact us for custom HRP-conjugated antibody.



### GTX635685 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 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 [HL5410] (GTX635685) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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