

SARS-CoV-2 (COVID-19) Nucleocapsid antibody [HL448]

Cat. No. GTX635686

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

Reference (9)

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 | 1:100-1:1000 |
| IHC-P | 1:5000-1:10000 |
| ELISA | Assay dependent |
| Lateral Flow | Assay dependent |
| Sandwich ELISA | Assay dependent |
| IHC-P (cell pellet) | Assay dependent |

Note : Recommended heat-Induced Epitope Retrieval pH 6.0 for 20 minutes and background Eraser (BGE) blocking step.

Capture : GTX635688, Detection : GTX635686

Please notice that the detection antibodies need to be conjugated to Gold to function when paired with capture antibodies. Please contact us for custom Gold-conjugated antibody.

Capture : GTX635686 , Detection: GTX635678 / GTX635688. or Capture : GTX635685 / GTX635689 / GTX635679 , Detection: GTX635686-01.

Please notice that detection antibodies need to be conjugated to HRP to function when paired with capture antibodies. Please contact us for custom HRP-conjugated antibody.

Not tested in other applications.

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 upon request. This antibody is able to detect multiple SARS-CoV-2 VOCs, including Omicron variant.

PROPERTIES

| | |
|--------------|-----------------|
| Form | Liquid |
| Buffer | PBS |
| Preservative | No preservative |

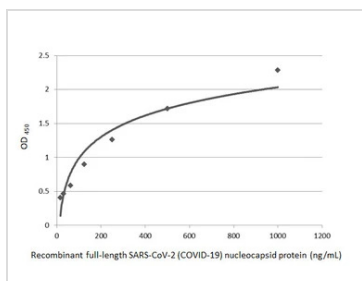


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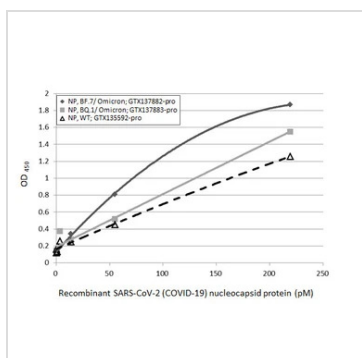
| | |
|----------------------|--|
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 1 mg/ml (Please refer to the vial label for the specific concentration.) |
| Immunogen | Full length SARS-CoV-2 (COVID-19) nucleocapsid Recombinant protein. (SARS-CoV-2 (strain Wuhan-Hu-1)) |
| Purification | Affinity purified by Protein A. |
| Conjugation | 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. 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



GTx635686 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 [HL448] (GTx635686) 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 GTx635686. Please contact us for custom HRP-conjugated antibody.



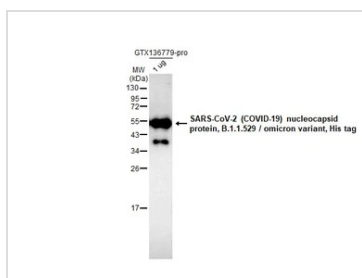
GTx635686 ELISA Image

Sandwich ELISA detection of recombinant nucleocapsid protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; BF.7 Omicron variant; BQ.1 Omicron variant) using antibodies as below.

Capture: SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL511] (GTx635689) (5 µg/mL)

Detection: HRP-conjugated SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL448] (GTx635686) (1 µg/mL)

Please notice that GTx635686 needs to be conjugated to HRP to function as the detection antibody when paired with GTx635689. Please contact us for custom HRP-conjugated antibody.



GTx635686 WB Image

SARS-CoV-2 (COVID-19) nucleocapsid protein, B.1.1.529 / omicron variant, His tag (1 µg, GTX136779-pro) were separated by 12% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL448] (GTx635686) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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