

SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL344]

Cat No. GTX635679

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

Reference (29)

Package

100 µl, 25 µl

APPLICATION

Application Note

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

| Suggested dilution | Dilution |
|---------------------|-----------------|
| WB | 1:5000-1:20000 |
| ICC/IF | 1:100-1:1000 |
| IHC-P | 1:500-1:1000 |
| IHC-Fr | Assay dependent |
| ELISA | Assay dependent |
| Sandwich ELISA | Assay dependent |
| IHC-P (cell pellet) | Assay dependent |

Note : Recommended heat-Induced Epitope Retrieval pH 6.0 for 20 minutes.**Capture : GTX635679, Detection : GTX635678 / GTX635688 / GTX635686-01.****Please notice that GTX635688 / GTX635678 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635679. Please contact us for custom HRP-conjugated antibody.**

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

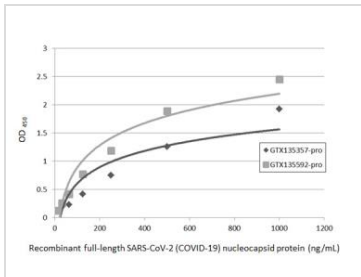
| | |
|----------------------|--|
| Form | Liquid |
| Buffer | PBS |
| Preservative | No Preservative |
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 1 mg/ml (Please refer to the vial label for the specific concentration.) |

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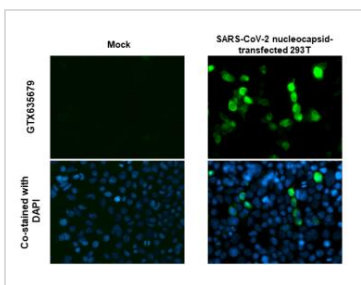
| | |
|---------------------|--|
| Immunogen | Full length SARS-CoV-2 (COVID-19) nucleocapsid Recombinant protein. (SARS-CoV-2 (strain Wuhan-Hu-1)) |
| Purification | Affinity purified by protein A. |
| Conjugation | Unconjugated |
| Note | For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. |

DATA IMAGES



GTX635679 ELISA Image

Indirect ELISA analysis was performed by coating plate with 50 µL of recombinant full-length SARS-CoV-2 (COVID-19) nucleocapsid protein (GTX135357-pro) and (GTX135592-pro) at concentrations ranging from 0.015 µg/mL to 1 µg/mL. The coated protein is detected with SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL344] (GTX635679) at 1 µg/mL. Rabbit IgG antibody (HRP) (GTX213110-01) was diluted at 1:10000 and used to detect the primary antibody.



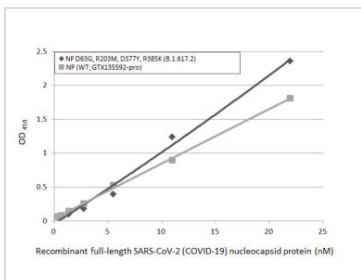
GTX635679 ICC/IF Image

SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL344] 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.

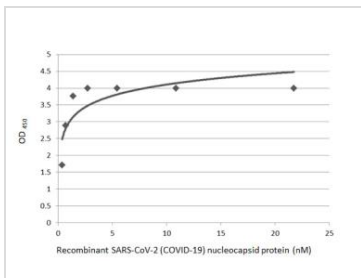
Green: SARS-CoV-2 (COVID-19) nucleocapsid stained by SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL344] (GTX635679) diluted at 1:1000.

Blue: Fluoroshield with DAPI (GTX30920).



GTX635679 ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant full-length Nucleocapsid proteins derived from different strains of SARS-CoV-2 virus (Wild type or B.1.617.2 delta variant) (21.91-0.34 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL344] (GTX635679) (1 µg/mL). Rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



GTX635679 ELISA Image

Sandwich ELISA detection of recombinant SARS-CoV-2 (COVID-19) nucleocapsid protein, His tag (GTX135592-pro) using antibodies as below.

Capture: SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL344] (GTX635679) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL448] (HRP) (GTX635686-01) (1 µg/mL)



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