

SARS-CoV-2 (COVID-19) Nucleocapsid antibody [HL455-MS]

Cat. No. GTX635712

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	WB, ICC/IF, ELISA, Sandwich ELISA, IHC-P (cell pellet)
Reactivity	SARS Coronavirus, SARS Coronavirus 2

Reference (4)

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
ELISA	Assay dependent
Sandwich ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent

Note : Capture : GTX635685, Detection: GTX635712

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.

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	0.5 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

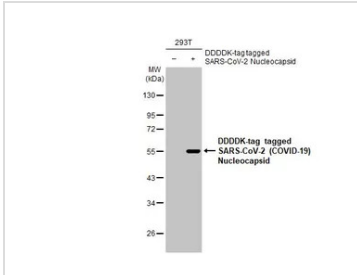
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Note

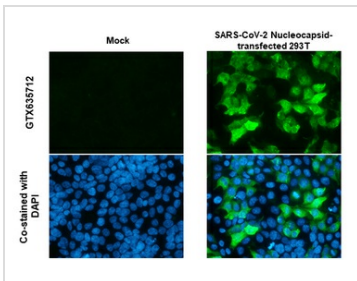
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DATA IMAGES



GTx635712 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 [HL455-MS] (GTx635712) diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



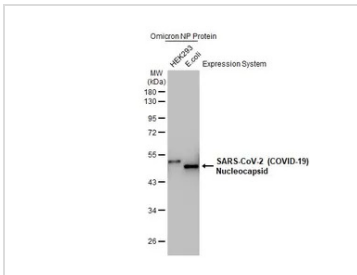
GTx635712 ICC/IF Image

SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL455-MS] 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.

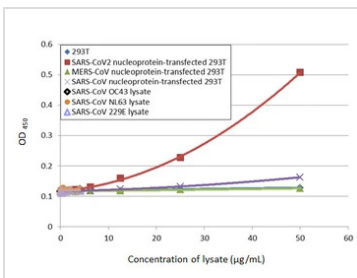
Green: SARS-CoV-2 (COVID-19) nucleocapsid stained by SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL455-MS] (GTx635712) diluted at 1:1000.

Blue: Fluoroshield with DAPI (GTx30920).



GTx635712 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 [HL455-MS] (GTx635712) diluted at 1:20000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



GTx635712 ELISA Image

Sandwich ELISA detection of non-transfected (GTx535673) and SARS-CoV-2 (GTx535665), MERS-CoV and SARS-CoV Nucleocapsid transfected 293T whole cell extracts, SARS-CoV OC43 lysate, SARS-CoV NL63 lysate, or SARS-CoV 229E lysate using SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5410] (GTx635685) as capture antibody at concentration of 5 µg/mL and SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL455-MS] (GTx635712) as detection antibody at concentration of 1 µg/mL. Mouse IgG antibody (HRP) (GTx213111-01) was diluted at 1:10000 and used to detect the primary antibody.



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