

## SARS-CoV-2 (COVID-19) Nucleocapsid protein, Omicron / BA.1 variant, His tag

**Cat. No. GTX136779-pro****Applications** WB, ELISA, Sandwich ELISA**Species** SARS Coronavirus 2**Package**

100 µg

## Applications

## Application Note

Recommended antibody pairs for sandwich ELISA:

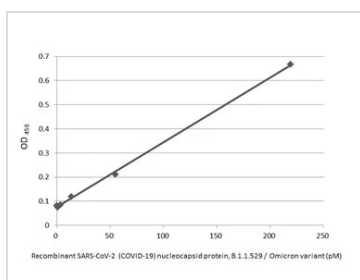
Capture : GTX635689, Detection : GTX635686-01 or Capture : GTX635685, Detection : GTX635688.

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

## Properties

**Form** Liquid**Buffer** 90mM Tris, 1M Arginine**Preservative** No preservatives**Storage** Store as concentrated solution. Centrifuge briefly prior to opening vial. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. For long-term storage after reconstitution, aliquot and store at -70°C or below. Do not vortex.**Concentration** 0.1 mg/ml (Please refer to the vial label for the specific concentration.)**Region/Sequence** SARS-CoV-2 nucleocapsid of QHD43423.2 with P13L, E31del, R32del, S33del, G204R, R203K mutations and His tag at the C-terminus**Expression System** HEK293 cells**Purity** >95%**Conjugation** Unconjugated**Note** For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

## DATA IMAGES



## GTX136779-pro ELISA Image

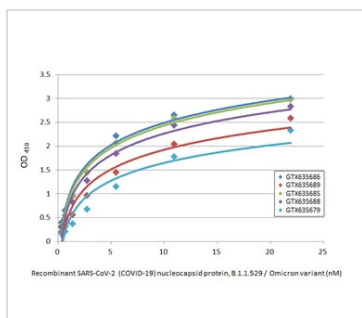
Sandwich ELISA detection of recombinant SARS-CoV-2 (COVID-19) nucleocapsid protein, B.1.1.529 / Omicron variant, His tag (GTX136779-pro) using antibodies as below.

**Capture:** SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5511] (GTX635689) (5 µg/mL)

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

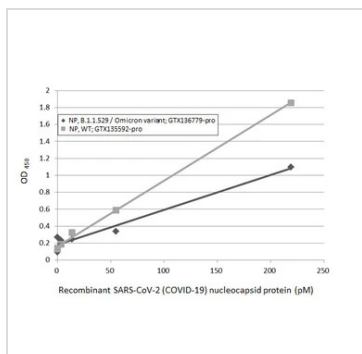


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### GTX136779-pro ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) nucleocapsid protein, B.1.1.529 / Omicron variant, His tag (GTX136779-pro) (21.91-0.34 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL448] (GTX635686), SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5511] (GTX635689), SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5410] (GTX635685), SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL455] (GTX635688), and SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL344] (GTX635679) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



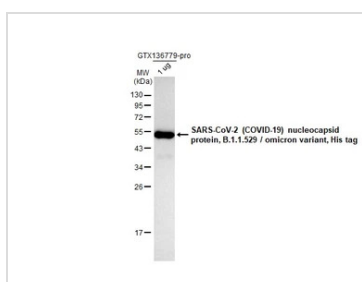
### GTX136779-pro ELISA Image

Sandwich ELISA detection of recombinant nucleocapsid protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.1.529 Omicron variant) using antibodies as below.

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

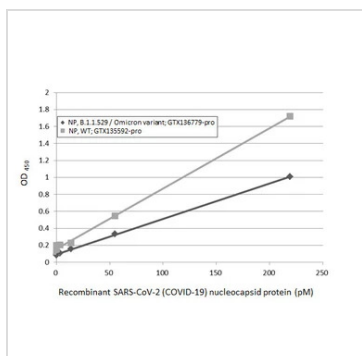
**Detection:** HRP-conjugated SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL455] (GTX635688) (1 µg/mL)

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.



### GTX136779-pro 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 [HL5511] (GTX635689) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



### GTX136779-pro ELISA Image

Sandwich ELISA detection of recombinant nucleocapsid protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.1.529 Omicron variant) using antibodies as below.

**Capture:** SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5511] (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.



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