

## SARS-CoV-2 (COVID-19) Nucleocapsid protein, His tag

**Cat. No. GTX135357-pro**

<b>Application</b>	ELISA, Sandwich ELISA
<b>Species</b>	SARS Coronavirus 2

Reference ( 2 )  
 Package  
 500 µg, 100 µg

## APPLICATION

## Application Note

Recommended antibody pairs for sandwich ELISA:

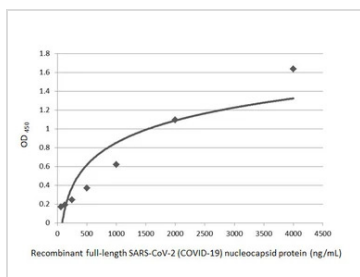
Capture: GTX635689, Detection: GTX635686-01 or Capture: GTX135357 / GTX135361, Detection: GTX632269.

**Calculated MW** 46 kDa. ( [Note](#) )

## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservative
<b>Storage</b>	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.
<b>Concentration</b>	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Region/Sequence</b>	N-terminal His tagged full length protein of YP_009724397.2
<b>Expression System</b>	E. coli
<b>Purity</b>	>90%
<b>Conjugation</b>	Unconjugated
<b>Note</b>	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

## DATA IMAGES

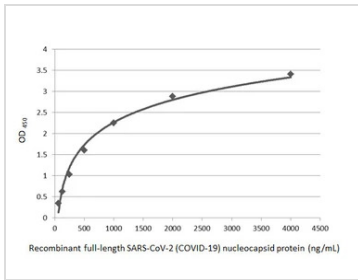


## GTX135357-pro ELISA Image

Sandwich ELISA detection of recombinant full-length SARS-CoV-2 (COVID-19) nucleocapsid protein (GTX135357-pro) using GTX135357 as capture antibody at concentration of 5 µg/mL and GTX632269 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.

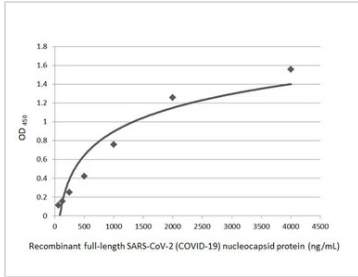


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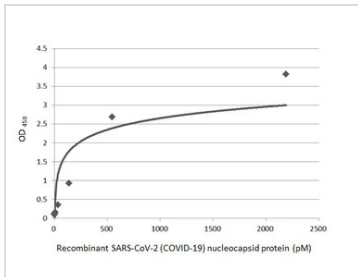
#### GTX135357-pro ELISA Image

Indirect ELISA analysis was performed by coating plate with 50  $\mu$ L of recombinant full-length SARS-CoV-2 (COVID-19) nucleocapsid protein (GTX135357-pro) at concentrations ranging from 0.0625  $\mu$ g/mL to 4  $\mu$ g/mL. The coated protein is detected with SARS-CoV-2 (COVID-19) nucleocapsid antibody (GTX135357) at 1  $\mu$ g/mL. Rabbit IgG antibody (HRP) (GTX213110-01) was diluted at 1:10000 and used to detect the primary antibody.



#### GTX135357-pro ELISA Image

Sandwich ELISA detection of recombinant full-length SARS-CoV-2 (COVID-19) nucleocapsid protein (GTX135357-pro) using GTX135361 as capture antibody at concentration of 5  $\mu$ g/mL and GTX632269 as detection antibody at concentration of 1  $\mu$ g/mL. Mouse IgG antibody (HRP) (GTX213111-01) was diluted at 1:10000 and used to detect the primary antibody.

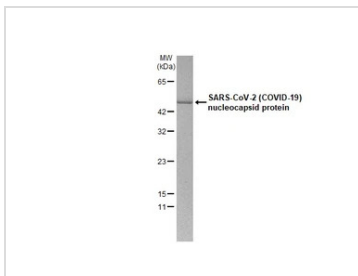


#### GTX135357-pro ELISA Image

Sandwich ELISA detection of recombinant SARS-CoV-2 (COVID-19) nucleocapsid protein, His tag (GTX135357-pro) using antibodies as below.

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

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



#### GTX135357-pro Image

3 $\mu$ g of GTX135357-pro His tag-tagged SARS-CoV-2 (COVID-19) nucleocapsid protein analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



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