

# Product Datasheet

## **SARS-CoV-2 Nucleocapsid Antibody (NP642) - Azide and BSA Free** **NBP3-07072**

Unit Size: 0.05 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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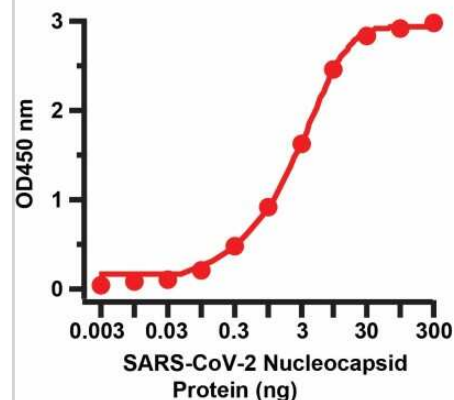


**NBP3-07072****SARS-CoV-2 Nucleocapsid Antibody (NP642) - Azide and BSA Free**

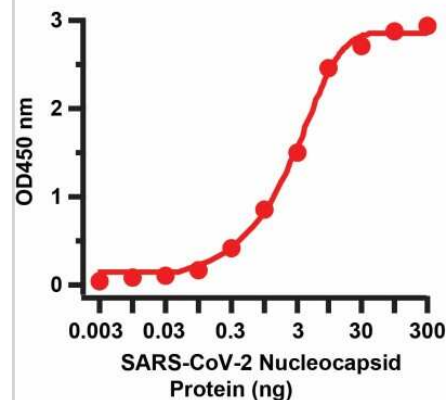
<b>Product Information</b>	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	NP642
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG Kappa
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.2)
<b>Product Description</b>	
<b>Description</b>	The antibody was expressed in HEK293F cells, and subsequently obtained from cell supernatant by protein A affinity chromatography.
<b>Host</b>	Rabbit
<b>Gene ID</b>	43740575
<b>Gene Symbol</b>	N
<b>Species</b>	SARS-CoV-2
<b>Immunogen</b>	Recombinant SARS-CoV-2 nucleocapsid protein (full-length).
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Immunohistochemistry
<b>Recommended Dilutions</b>	ELISA, Immunohistochemistry
<b>Application Notes</b>	Sandwich ELISAs for SARS-CoV-2 Nucleocapsid Matched Pair Antibodies. A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid antibody (NBP3-07072, 5ug/ml) as capture antibody, a Nucleocapsid recombinant protein as the binding protein, and the anti-SARS-CoV-2 Nucleocapsid antibody (NBP3-07069, 1ug/ml) as the detection antibody. Secondary: Goat anti-mouse IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.03 ng to 300 ng. EC50 = 2.36 ng. A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid antibody (NBP3-07072, 5ug/ml) as capture antibody, a Nucleocapsid recombinant protein as the binding protein, and the anti-SARS-CoV-2 Nucleocapsid antibody (NBP3-07068, 1ug/ml) as the detection antibody. Secondary: Goat anti-mouse IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.03 ng to 300 ng. EC50 = 2.5 ng. A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid antibody (NBP3-07072, 5ug/ml) as capture antibody, a Nucleocapsid recombinant protein as the binding protein, and the anti-SARS-CoV-2 Nucleocapsid antibody (NBP3-07070, 1ug/ml) as the detection antibody. Secondary: Goat anti-mouse IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.03 ng to 300 ng. EC50 = 2.7 ng.

## Images

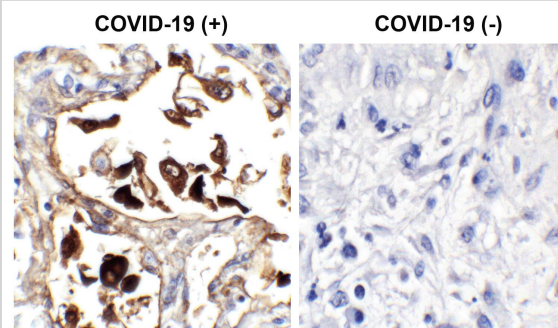
Sandwich ELISA: SARS-CoV-2 Nucleocapsid Antibody (NP642) [NBP3-07072] - Sandwich ELISA for SARS-CoV-2 Nucleocapsid Matched Pair Antibodies. Antibodies: SARS-CoV-2 Nucleocapsid Antibodies (NBP3-07072). A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid antibody (NBP3-07072, 5ug/ml) as capture antibody, a Nucleocapsid recombinant protein as the binding protein, and the anti-SARS-CoV-2 Nucleocapsid antibody (NBP3-07068, 1ug/ml) as the detection antibody. Secondary: Goat anti-mouse IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.03 ng to 300 ng. EC50 = 2.5 ng



Sandwich ELISA: SARS-CoV-2 Nucleocapsid Antibody (NP642) [NBP3-07072] - Sandwich ELISA for SARS-CoV-2 Nucleocapsid Matched Pair Antibodies. A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid antibody (NBP3-07072, 5ug/ml) as capture antibody, a Nucleocapsid recombinant protein as the binding protein, and the anti-SARS-CoV-2 Nucleocapsid antibody (NBP3-07070, 1ug/ml) as the detection antibody. Secondary: Goat anti-mouse IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.03 ng to 300 ng. EC50 = 2.7 ng



Immunohistochemistry: SARS-CoV-2 Nucleocapsid Antibody (NP642) - Azide and BSA Free [NBP3-07072] - Validation of SARS-CoV-2 (COVID-19) Nucleocapsid in COVID-19 Patient Lung. Immunohistochemical analysis of paraffin-embedded COVID-19 patient lung tissue using anti-SARS-CoV-2 (COVID-19) Nucleocapsid antibody (1 ug/mL). Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin. Strong signal of SARS-COV-2 Nucleocapsid protein was observed in the macrophages of COVID-19 patient lung, but not in non-COVID-19 patient lung.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP3-07072**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-90975	Recombinant SARS-CoV-2 Nucleocapsid His (C-Term) Protein
NBP3-49916	SARS-CoV-2 SARS-CoV-2 Nucleocapsid ELISA Kit (Colorimetric)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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