

# Product Datasheet

## **SARS-CoV-2 Nucleocapsid Antibody (NP1189) - Azide and BSA Free** **NBP3-07071**

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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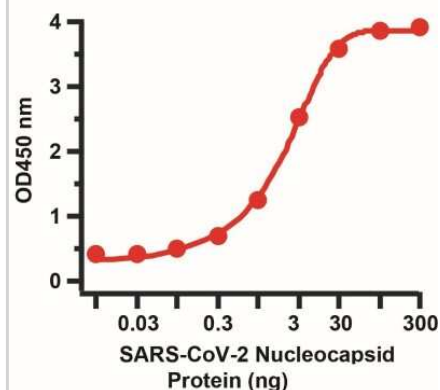


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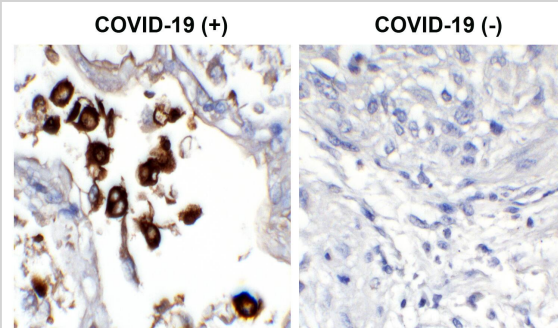
| <b>Product Information</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>                       | NP1189                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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 ELISA for SARS-CoV-2 Nucleocapsid Matched Pair Antibodies. A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid antibody (NBP3-07069, 2 ug/mL) as capture antibody, a Nucleocapsid recombinant protein as the binding protein, and the anti-SARS-CoV-2 Nucleocapsid antibody (NBP3-07071, 0.1 ug/mL) as the detection antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.03 ng to 300 ng. EC50 = 6.9 ng. |

## Images

**ELISA: SARS-CoV-2 Nucleocapsid Antibody (NP1189) [NBP3-07071] - Sandwich ELISA for SARS-CoV-2 Nucleocapsid Matched Pair Antibodies.** A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid antibody (NBP3-07069, 2 ug/mL) as capture antibody, a Nucleocapsid recombinant protein as the binding protein, and the anti-SARS-CoV-2 Nucleocapsid antibody (NBP3-07071, 0.1 ug/mL) as the detection antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.03 ng to 300 ng. EC50 = 6.9 ng.



**Immunohistochemistry: SARS-CoV-2 Nucleocapsid Antibody (NP1189) - Azide and BSA Free [NBP3-07071] - 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.





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### **Products Related to NBP3-07071**

|            |                                                             |
|------------|-------------------------------------------------------------|
| 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) |

### **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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