

# Product Datasheet

## SARS-CoV-2 Nucleocapsid Antibody (004) [CoraFluor™ 1] NBP3-12734CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP3-12734CL1**

SARS-CoV-2 Nucleocapsid Antibody (004) [CoraFluor™ 1]

| Product Information     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size               | 0.1 ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Concentration           | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Storage                 | Store at 4C in the dark. Do not freeze.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clonality               | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clone                   | 004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Preservative            | No Preservative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Conjugate               | CoraFluor 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity                  | Protein A purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Buffer                  | PBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene ID                 | 43740575                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Symbol             | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Species                 | SARS-CoV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity/Sensitivity | <p>Has cross-reactivity in ELISA and WB with:<br/>SARS-CoV-2 Nucleocapsid Protein</p> <p>Has cross-reactivity in ELISA with:<br/> SARS-CoV-2 Omicron (B.1.1.529) Nucleocapsid Protein<br/> SARS-CoV-2 Nucleocapsid Protein<br/> SARS-CoV-2 Alpha(B.1.1.7) Nucleocapsid(R203K, G204R) Protein<br/> SARS-CoV-2 Alpha(B.1.1.7) Nucleocapsid(I292T) Protein<br/> SARS-CoV-2 Alpha(B.1.1.7) Nucleocapsid(D3L, R203K, G204R, S235F) Protein<br/> SARS-CoV-2 Alpha(B.1.1.7) Nucleocapsid(D3L, S235F) Protein<br/> SARS-CoV-2 Alpha(B.1.1.7/ B.1.237) Nucleocapsid(S194L) Protein<br/> SARS-CoV-2 Alpha/beta(B.1.1.7/ B.1.351/ A.2.2) Nucleocapsid(P13L) Protein<br/> SARS-CoV-2 Beta(B.1.351/B.1.351.2/b.1.351.3/B.1.427/B.1.429) Nucleocapsid (T205I) Protein<br/> SARS-CoV-2 Gamma(P.1/ P.1.1/ P.1.2) Nucleocapsid (P80R) Protein<br/> SARS-CoV-2 Eta(B.1.525) Nucleocapsid (A12G, T205I) Protein<br/> SARS-CoV-2 (B.1.617) Nucleocapsid (D377Y) Protein<br/> SARS-CoV-2 (B.1.617) Nucleocapsid (R203M, D377Y) Protein<br/> SARS-CoV-2 Delta(B.1.617.2) Nucleocapsid (D63G, R203M, D377Y) Protein<br/> SARS-CoV-2 (B.1.617.3) Nucleocapsid (P67S, R203M, D377Y) Protein</p> <p>No cross-reactivity in ELISA with:<br/> MERS-CoV Nucleocapsid protein<br/> HCoV-229E Nucleocapsid protein<br/> HCoV-NL63 Nucleocapsid protein<br/> HCoV-HKU1(isolate N5) Nucleocapsid protein<br/> HCoV-OC43 Nucleocapsid protein</p> |
| Immunogen               | Recombinant SARS-CoV-2 Nucleocapsid Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |



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|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>                       | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254 |
| <b>Product Application Details</b> |                                                                                                                                                               |
| <b>Applications</b>                | Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin                             |
| <b>Recommended Dilutions</b>       | Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin                             |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.                                                                                        |





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### **Products Related to NBP3-12734CL1**

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|            |                                                          |
|------------|----------------------------------------------------------|
| NBP2-90975 | Recombinant SARS-CoV-2 Nucleocapsid His (C-Term) Protein |
| NBP3-11405 | 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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