

# Product Datasheet

## SARS Nucleocapsid Protein Antibody (AP201054)

**[CoraFluor™ 1]**

**NBP2-90967CL1**

Unit Size: 0.1 ml

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

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**NBP2-90967CL1**

SARS Nucleocapsid Protein Antibody (AP201054) [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               | AP201054  |
| Preservative        | No Preservative   |
| Isotype             | IgG   |
| Conjugate           | CoraFluor 1   |
| Purity              | Protein G purified  |
| Buffer              | PBS   |

| Product Description |   |
|---------------------|---|
| Description         | CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays. |
| Host                | Mouse   |
| Gene ID             | 1489678   |
| Gene Symbol         | N   |
| Species             | SARS-CoV, SARS-CoV-2  |
| Reactivity Notes    | Use in SARS-CoV-2 reported in scientific literature (PMID:34944502) This antibody was selected for its ability to detect COVID-19 & SARS Coronavirus Nucleoprotein (NP) in direct ELISA. Immunogen displays the following percentage of sequence identity for non-tested species: COVID-19 (84%).   |
| Immunogen           | The antibody was developed by immunizing mice with a with a protein fragment corresponding to amino acids 1-49 (C-MSDNGPQSNQRSAPRITFGGPTDSTDNNQNGGRNGARPKQRRPQGLPNN) from the N (SARS Nucleocapsid) for the Human SARS coronavirus (Genbank accession no. NP_828858.1)  |
| Notes               | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254   |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, ELISA, Immunoassay, Immunocytochemistry/ Immunofluorescence, Direct ELISA |
| Recommended Dilutions       | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoassay, Direct ELISA |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                  |





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### **Products Related to NBP2-90967CL1**

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|                |   |
|----------------|---|
| NB100-56049PEP | SARS Nucleocapsid Protein Antibody Blocking Peptide |
| NBP3-05695     | SARS Nucleocapsid Protein Antibody Pack             |

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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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