

# Product Datasheet

## SARS-CoV-2 Spike Antibody (CR3022) [Alexa Fluor™ Plus 647] - Chimeric NBP3-12017AFP647

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 4/13/2026 v.20.1

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**NBP3-12017AFP647**

SARS-CoV-2 Spike Antibody (CR3022) [Alexa Fluor™ Plus 647] - Chimeric

| 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.  |
| Clonality           | Monoclonal  |
| Clone               | CR3022  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG2b Kappa   |
| Conjugate           | Alexa Fluor Plus 647  |
| Purity              | Protein A purified  |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Mouse  |
| Gene ID                 | 43740568   |
| Gene Symbol             | S  |
| Species                 | SARS-CoV, SARS-CoV-2   |
| Specificity/Sensitivity | This antibody binds the amino acids 318-510 in the S1 domain of the SARS-CoV Spike protein as well as SARS-CoV-2 (COVID-19) Spike protein. The antibody also binds to P462L-substituted S318-510 fragments of the SARS spike protein. The binding epitope is only accessible in the "open" conformation of the spike protein.  |
| Immunogen               | The original monoclonal antibody was generated through an scFv library derived from a peripheral blood lymphocytes of a patient exposed to the SARS-CoV.   |
| Notes                   | This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a> . This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet. |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | ELISA, Immunocytochemistry/ Immunofluorescence, Neutralization, Surface Plasmon Resonance, X-Ray Crystallography |

|                              |  |
|------------------------------|--|
| <b>Recommended Dilutions</b> | ELISA, Immunocytochemistry/ Immunofluorescence, Surface Plasmon Resonance, Neutralization, X-Ray Crystallography |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.   |





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### **Products Related to NBP3-12017AFP647**

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|                  |                                      |
|------------------|--------------------------------------|
| NBP3-14666-100ug | SARS-CoV-2 Spike Recombinant Protein |
| 10549-CV-100     | SARS-CoV-2 Spike [Unconjugated]      |

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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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