

# Product Datasheet

## SARS Spike Protein Antibody (D005) [DyLight 488] NBP2-90989G

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 7/11/2023 v.20.1

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**NBP2-90989G****SARS Spike Protein Antibody (D005) [DyLight 488]**

| <b>Product Information</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                   | 0.1 ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Concentration</b>               | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>                     | Store at 4C in the dark.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clonality</b>                   | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Clone</b>                       | D005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Preservative</b>                | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                     | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Conjugate</b>                   | DyLight 488                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>                      | Protein A purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Buffer</b>                      | 50mM Sodium Borate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Product Description</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Host</b>                        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>                     | SARS-CoV-2, SARS-CoV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Reactivity Notes</b>            | This antibody has cross-reactivity in ELISA with:<br/>SARS-CoV Spike S1 Protein<br/>SARS-CoV-2 Spike S1 Protein<br/>SARS-CoV-2 Spike RBD Protein<br/><br/>No cross-reactivity in ELISA with:<br/>MERS-CoV Spike S1 Protein<br/>HCoV-HKU1 Spike S1 Protein<br/>HCoV-HKU1 Spike S1 Protein<br/>HCoV-NL63 Spike S1 Protein<br/>HCoV-229E Spike S1 Protein<br/>HCoV-OC43 Spike S1+S2 ECD Protein                                                                                                                                                                                                                                                                          |
| <b>Specificity/Sensitivity</b>     | Has cross-reactivity in ELISA with:<br><br>SARS-CoV-2 Omicron (B.1.1.529) Spike RBD Protein<br>SARS-CoV-2 Omicron (B.1.1.529) Spike S1 Protein<br>SARS-CoV-2 Omicron (B.1.1.529) S1+S2 trimer Protein<br>SARS-CoV-2 Delta (B.1.617.2) Spike RBD Protein<br>SARS-CoV-2 Delta (B.1.617.2) Spike S1+S2 Protein<br>SARS-CoV Spike S1 Protein<br>SARS-CoV-2 Spike S1 Protein<br>SARS-CoV-2 Spike RBD Protein<br><br>No cross-reactivity in ELISA with:<br>MERS-CoV Spike S1 Protein<br>HCoV-HKU1 (isolate N1) Spike S1 Protein<br>HCoV-HKU1 (isolate N5) Spike S1 Protein<br>HCoV-NL63 Spike S1 Protein<br>HCoV-229E Spike S1 Protein<br>HCoV-OC43 Spike S1+S2 ECD Protein |
| <b>Immunogen</b>                   | Recombinant SARS-CoV Spike RBD Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Notes</b>                       | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Product Application Details</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>                | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Recommended Dilutions</b>       | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |





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### **Products Related to NBP2-90989G**

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|                |                                              |
|----------------|----------------------------------------------|
| NB100-56047PEP | SARS Spike Protein Antibody Blocking Peptide |
| NB100-56048PEP | SARS Spike Protein Antibody Blocking Peptide |

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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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