

# Product Datasheet

## Human Coronavirus Spike Protein Antibody (15) [Alexa Fluor® 350] NBP3-14656AF350

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 4/19/2022 v.20.1

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**NBP3-14656AF350**

Human Coronavirus Spike Protein Antibody (15) [Alexa Fluor® 350]

| 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                   | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Preservative            | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype                 | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Conjugate               | Alexa Fluor 350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity                  | Protein A purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Buffer                  | 50mM Sodium Borate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene ID                 | 3200426                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Symbol             | S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Species                 | HCoV-OC43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity/Sensitivity | <p>Recognizes the Spike of HCoV-OC43. Doesn't recognize the Spike of SARS-CoV-2, SARS-CoV, MERS-CoV, HCoV-NL63, HCoV-229E, HCoV-HKU1 (isolate N5).</p> <p>Has cross-reactivity in ELISA and WB with:<br/>HCoV-OC43 Spike S1+S2 ECD-His</p> <p>No cross-reactivity in ELISA and WB with:<br/>SARS-CoV-2 Spike S1-His<br/>SARS-CoV-2 Spike S1 NTD-Fc &amp; AVI<br/>SARS-CoV-2 Spike S1 NTD-His &amp; AVI<br/>SARS-CoV-2 Spike RBD-His<br/>SARS-CoV-2 Spike S1+S2 ECD-His<br/>SARS-CoV-2 Spike S2 ECD-His<br/>SARS-CoV Spike S1+S2 ECD-His<br/>MERS-CoV Spike S1+S2 ECD-His<br/>HCoV-229E Spike S1+S2 ECD-His<br/>HCoV-HKU1 (isolate N5) Spike S1+S2 ECD-His<br/>HCoV-NL63 Spike S1+S2 ECD-His</p> |
| Immunogen               | This product is a recombinant monoclonal antibody expressed from HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Application Details</b> |                                                                        |
|------------------------------------|------------------------------------------------------------------------|
| <b>Applications</b>                | Western Blot, ELISA                                                    |
| <b>Recommended Dilutions</b>       | Western Blot, ELISA                                                    |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined. |



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### **Products Related to NBP3-14656AF350**

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|                 |                                                     |
|-----------------|-----------------------------------------------------|
| NBP1-97005AF350 | Mouse IgG1 Isotype Control (MG1) [Alexa Fluor® 350] |
|-----------------|-----------------------------------------------------|

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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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