

# Product Datasheet

## Human Coronavirus Spike Protein Antibody (23) [Alexa Fluor™ Plus 594] NBP3-14657AFP594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-14657AFP594**

Human Coronavirus Spike Protein Antibody (23) [Alexa Fluor™ Plus 594]

| <b>Product Information</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <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>                   | 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Preservative</b>            | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype</b>                 | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Conjugate</b>               | Alexa Fluor Plus 594                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>                  | Protein A purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer</b>                  | 50mM Sodium Borate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Product Description</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene ID</b>                 | 3200426                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Symbol</b>             | S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>                 | HCoV-229E, HCoV-NL63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Specificity/Sensitivity</b> | <p>Recognizes the Spike of HCoV-NL63, HCoV-229E. Doesn't recognize the Spike of SARS-CoV-2, SARS-CoV, MERS-CoV, HCoV-HKU1 (isolate N5), HCoV-OC43.</p> <p>Has cross-reactivity in ELISA and WB with:<br/> HCoV-229E Spike S1+S2 ECD-His<br/> HCoV-NL63 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 S2 ECD-His<br/> SARS-CoV-2 Spike RBD-His<br/> SARS-CoV-2 Spike S1+S2 ECD-His<br/> SARS-CoV Spike S1+S2 ECD-His<br/> MERS-CoV Spike S1+S2 ECD-His<br/> HCoV-HKU1 (isolate N5) Spike S1+S2 ECD-His<br/> HCoV-OC43 Spike S1+S2 ECD-His</p> |
| <b>Immunogen</b>               | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Coronavirus Spike S1+S2 ECD protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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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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### **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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