

# Product Datasheet

## **SARS-CoV-2 Spike Antibody (CR3022) - Chimeric - Azide and BSA Free NBP3-12017-0.2mg**

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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**NBP3-12017-0.2mg**

SARS-CoV-2 Spike Antibody (CR3022) - Chimeric - Azide and BSA Free

| Product Information |                                                                                |
|---------------------|--------------------------------------------------------------------------------|
| Unit Size           | 0.2 mg                                                                         |
| Concentration       | 1 mg/ml                                                                        |
| Storage             | Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C. |
| Clonality           | Monoclonal                                                                     |
| Clone               | CR3022                                                                         |
| Preservative        | 0.02% Proclin 300                                                              |
| Isotype             | IgG2b Kappa                                                                    |
| Purity              | Protein A purified                                                             |
| Buffer              | PBS                                                                            |

| Product Description     |                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                         |
| Gene ID                 | 43740568                                                                                                                                                                                                                                                                                                                      |
| Gene Symbol             | S                                                                                                                                                                                                                                                                                                                             |
| Species                 | SARS-CoV-2, SARS-CoV                                                                                                                                                                                                                                                                                                          |
| 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.                                                                                                                                                                      |

| Product Application Details |                                                                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | ELISA, Immunocytochemistry/ Immunofluorescence, Neutralization, Surface Plasmon Resonance, X-Ray Crystallography                                                                       |
| Recommended Dilutions       | ELISA, Immunocytochemistry/ Immunofluorescence, Surface Plasmon Resonance, Neutralization, X-Ray Crystallography                                                                       |
| Application Notes           | This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques. |





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### **Products Related to NBP3-12017-0.2mg**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43317-0.5mg | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)    |
| NBP3-14666-100ug | SARS-CoV-2 Spike Recombinant Protein                    |

### **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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