

Product Datasheet

SARS-CoV-2 Spike Antibody (CR3022) [Janelia Fluor® 525] NBP2-90979JF525

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-90979JF525

SARS-CoV-2 Spike Antibody (CR3022) [Janelia Fluor® 525]

| 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 | IgG Kappa |
| Conjugate | Janelia Fluor 525 |
| Purity | Protein A purified |
| Buffer | 50mM Sodium Borate |
| Product Description | |
| Host | Rabbit |
| Gene ID | 43740568 |
| Gene Symbol | S |
| Species | SARS-CoV, SARS-CoV-2 |
| Specificity/Sensitivity | This antibody binds to both SARS-CoV and SARS-CoV-2 with high affinity (PMID: 16796401 & 32065055). It 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 (Joyce et al. 2020). NBP2-90979 cross-reacts with spike protein of Omicron and Delta variants. |
| 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 | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus. |
| Product Application Details | |
| Applications | ELISA, Immunocytochemistry/ Immunofluorescence, Neutralization, Surface Plasmon Resonance |
| Recommended Dilutions | ELISA, Immunocytochemistry/ Immunofluorescence, Surface Plasmon Resonance, Neutralization |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |





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| | |
|------------------|--------------------------------------|
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| 10549-CV-100 | SARS-CoV-2 Spike [Unconjugated] |

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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