

Product Datasheet

SARS-CoV-2 Spike Antibody (CR3022) [Alexa Fluor® 405] NBP2-90980AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-90980AF405

SARS-CoV-2 Spike Antibody (CR3022) [Alexa Fluor® 405]

| 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 | IgG1 Kappa |
| Conjugate | Alexa Fluor 405 |
| Purity | Protein A purified |
| Buffer | 50mM Sodium Borate |
| Product Description | |
| Host | Human |
| Gene ID | 43740568 |
| Gene Symbol | S |
| Species | SARS-CoV-2, SARS-CoV |
| Reactivity Notes | 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). |
| 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. |
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| 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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Products Related to NBP2-90980AF405

| | |
|------------------|---|
| NBP3-06872AF405 | Human IgG1 Kappa Isotype Control [Alexa Fluor® 405] |
| NBP3-14666-100ug | SARS-CoV-2 Spike Recombinant Protein |
| 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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