

# SARS-CoV-2 (2019-nCoV) Nucleocapsid Mouse mAb

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Catalog # AP94093

## Product Information

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| <b>Application</b>             | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Clonality</b>               | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen</b>               | Recombinant SARS-CoV-2 Nucleocapsid Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Epitope Specificity</b>     | full length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Isotype</b>                 | IgG2b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                  | affinity purified by Protein G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Buffer</b>                  | 0.01M PBS (pH7.4) with 0.02% Proclin300.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>SUBCELLULAR LOCATION</b>    | Virion membrane ; Single-pass type I membrane protein ; Host endoplasmic reticulum-Golgi intermediate compartment membrane ; Single-pass type I membrane protein ; Host cell membrane ; Single-pass type I membrane protein ;Note: Accumulates in the endoplasmic reticulum-Golgi intermediate compartment, where it participates in virus particle assembly. Colocalizes with S in the host endoplasmic reticulum-Golgi intermediate compartment. Some S oligomers are transported to the host plasma membrane, where they may mediate cell-cell fusion. |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Background Descriptions</b> | The SARS-CoV-2 spike (S) protein is the target of vaccine design efforts to end the COVID-19 pandemic. Despite a low mutation rate, isolates with the D614G substitution in the S protein appeared early during the pandemic, and are now the dominant form worldwide. Here, we analyze the D614G mutation in the context of a soluble S ectodomain construct.                                                                                                                                                                                            |

## Additional Information

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| <b>Dilution</b> | WB=1:500-2000                                                                                                                                                                                   |
| <b>Storage</b>  | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

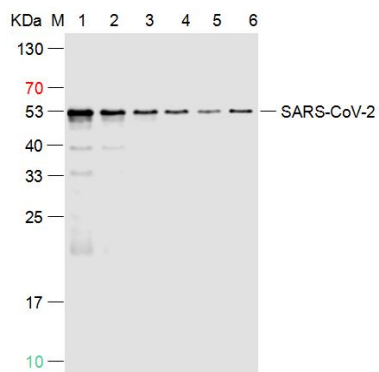
## Background

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## Images

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#### Sample:

Lane 1: Recombinant SARS-CoV-2 N Protein(Omicron(B.1.1.529) (P13L,E31del,R32del, S33del,R203K,G204R) at 100ng  
 Lane 2: Recombinant SARS-CoV-2 N Protein(Omicron(B.1.1.529) (P13L,E31del,R32del, S33del,R203K,G204R) at 50ng  
 Lane 3: Recombinant SARS-CoV-2 N Protein(Omicron(B.1.1.529) (P13L,E31del,R32del, S33del,R203K,G204R) at 25ng  
 Lane 4: Recombinant SARS-CoV-2 N Protein(Omicron(B.1.1.529) (P13L,E31del,R32del, S33del,R203K,G204R) at 10ng  
 Lane 5: Recombinant SARS-CoV-2 N Protein(Omicron(B.1.1.529) (P13L,E31del,R32del, S33del,R203K,G204R) at 5ng  
 Lane 6: Recombinant SARS-CoV-2 N Protein(WT) at 10ng  
 Primary: Mouse Anti- SARS-CoV-2 N protein (AP94093) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution  
 Predicted band size:45.3 kD  
 Observed band size:50 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.