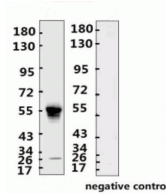




# SARS-CoV-2 (COVID-19) Nucleocapsid Monoclonal Antibody (N007)

Cat. No.: 10-541



**Figure 1 Western Blot Validation with Recombinant Protein**

Loading: 1 µg of SARS-CoV-2 (COVID-19) nucleocapsid recombinant protein, 10-007, per lane. Antibodies: SARS-CoV-2 (COVID-19) Nucleocapsid Monoclonal Antibody, 10-541, 1:2000. Sec

**ELISA experiment**

|   | 1     |               |
|---|-------|---------------|
| A | 2.447 | 1:10000       |
| B | 2.147 | 1:20000       |
| C | 1.848 | 1:40000       |
| D | 1.374 | 1:80000       |
| E | 0.861 | 1:160000      |
| F | 0.628 | 1:320000      |
| G | 0.408 | 1:640000      |
| H | 0.137 | Blank control |

**Figure 2 ELISA Test**

Coating original concentration: 2 µg/mL, 100 µL/well sample is SARS-CoV-2 (COVID-19) Nucleocapsid Recombinant Protein, 10-007. Antibodies: SARS-CoV-2 (COVID-19) Nucleocapsid Monoclonal Antibody, 10-541. Secondary: Goat anti-human IgG HRP conjugate at 1:10000 dilution. Develop: 15min, 100 µL/well. Stop: Stop buffer 50 µL/well.

## Ψ Specifications

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>HOST SPECIES:</b>        | Human                            |
| <b>SPECIES REACTIVITY:</b>  | Virus                            |
| <b>IMMUNOGEN:</b>           | Nucleocapsid recombinant protein |
| <b>TESTED APPLICATIONS:</b> | ELISA, WB                        |
| <b>APPLICATIONS:</b>        | ELISA: 1:80000; WB: 1:2000~3000  |

|                            |  |
|----------------------------|--|
| <b>PURIFICATION:</b>       | Greater than 95% as determined by reducing SDS-PAGE.                                       |
| <b>CLONALITY:</b>          | Monoclonal   |
| <b>CONJUGATE:</b>          | Unconjugated   |
| <b>PHYSICAL STATE:</b>     | Liquid   |
| <b>BUFFER:</b>             | PBS with 0.02% sodium azide, 10% glycerol, pH7.2   |
| <b>CONCENTRATION:</b>      | 0.64mg/ml  |
| <b>STORAGE CONDITIONS:</b> | Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles. |

## Ψ Additional Info

|                         |   |
|-------------------------|---|
| <b>OFFICIAL SYMBOL:</b> | N   |
| <b>ALTERNATE NAMES:</b> | SARS-CoV-2 (COVID-19, 2019-nCoV) Nucleocapsid Antibody; Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), Nucleocapsid Phosphoprotein, Nucleocapsid protein |
| <b>ACCESSION NO.:</b>   | QHD43423.2  |
| <b>GENE ID:</b>         | 43740575  |
| <b>USER NOTE:</b>       | Optimal dilutions for each application to be determined by the researcher.  |

## Ψ Background and References

|                    |   |
|--------------------|---|
| <b>BACKGROUND:</b> | Fully humanized monoclonal antibody paired with human monoclonal antibody<br>LOCUS:QHD43423 419aa linear VRL 18-MAR-2020 DEFINITION:nucleocapsid phosphoprotein [Severe acute respiratory syndrome coronavirus 2].<br>ACCESSION:QHD43423 VERSION:QHD43423.2 DBSOURCE:accession MN908947.3<br>SOURCE:Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)<br>ORGANISM:Viruses; Riboviria; Nidovirales; Coronidovirineae; Coronaviridae; Orthocoronavirinae; Betacoronavirus; Sarbecovirus. |
|--------------------|---|

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