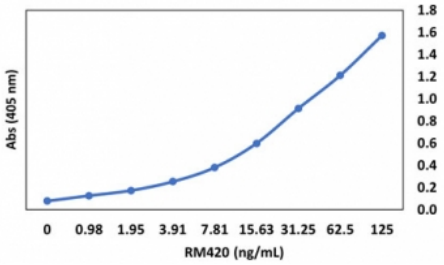
# SARS-CoV-2 Nucleocapsid Protein Antibody (2019-nCov) [clone RM420] (R20435)

| Catalog No. | Formulation | Size |
|---|---|---|
| R20435-100UG | 1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide | 100 ug |

Recombinant RABBIT MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | SARS-CoV |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG |
| **Clone Name** | RM420 |
| **Purity** | Protein A purified from animal origin-free supernatant |
| **Applications** | Use at an assay dependent concentration |
| **Limitations** | This recombinant SARS-CoV-2 Nucleocapsid Protein antibody is available for research use only. |




Binding curve of anti-NP (2019-nCov) RM420 monoclonal antibody and recombinant 2019-nCov Nucleocapsid Protein. ELISA plate was coated with 50ng recombinant 2019-nCov Nucleocapsid Protein at concentration of 1ug/ml. A 2-fold serial dilution from 125 ng/ml was performed using this recombinant SARS-CoV-2 Nucleocapsid Protein antibody. For detection, AP-conjugated goat anti-rabbit IgG secondary antibody was used.

## Description

This antibody reacts to the Nucleocapsid Protein of SARS-CoV-2 (2019-nCov). No cross-reactivity to common SARS coronaviruses observed. It can be used as the capture antibody in a Sandwich ELISA assay withÂ clone RMH03 monoclonal antibody.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant SARS-CoV-2 Nucleocapsid Protein antibody may be required due to differences in protocols and secondary/substrate sensitivity.

The binding activity of N protein with anti-N protein antibody was verified with the sensitivity of 0.1-0.3 ng/ml.

## Immunogen

A recombinant 2019-nCov Nucleocapsid Protein expressed in E.coli was used as the immunogen for the recombinant SARS-CoV-2 Nucleocapsid Protein antibody.

## Storage

Store the recombinant SARS-CoV-2 Nucleocapsid Protein antibody at -20oC.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