

SARS-CoV-2

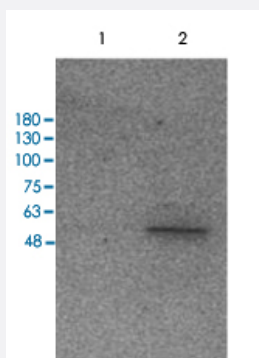
RecomAb™

# SARS-CoV/SARS-CoV-2 N IgG1 recombinant human antibody

Catalog # RAB01042

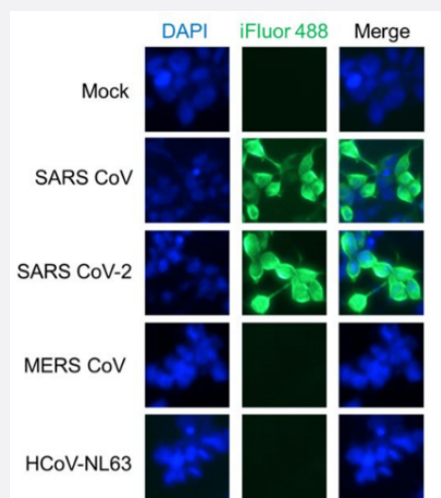
Size 100 ug

## Applications



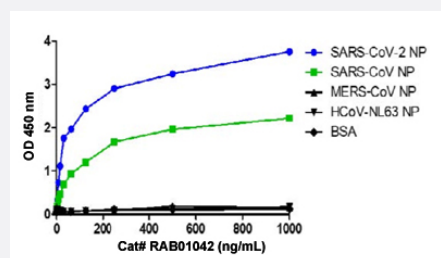
### Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 cells and Lane 2: transfected with SARS-CoV-2 VLP (Virus-like particle) were stained with this antibody at 1:1000 dilution.



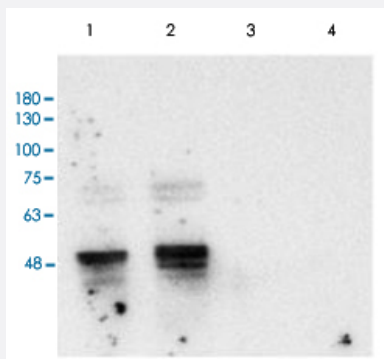
### Immunofluorescence

Immunofluorescent staining of 293T cells were respectively transfected with SARS-CoV, SARS-CoV-2, MERS-CoV and HCoV-NL63 nucleocapsid plasmid and stained with this antibody (1:500).



### Enzyme-linked Immunoabsorbent Assay

ELISA assay of this antibody to SARS-CoV-2 nucleocapsid protein, SARS-CoV nucleocapsid protein, MERS-CoV nucleocapsid protein, HCoV-NL63 nucleocapsid protein and BSA (BSA: negative control).



Western Blot analysis of different recombinant proteins were stained with this antibody at 1:1000 dilution. Lane 1: SARS-CoV-2 NP, Lane 2: SARS-CoV NP, Lane 3: MERS-CoV NP and Lane 4: HCoV-NL63 NP.

## Multi-cycle kinetic analysis

Multi-cycle kinetic analysis

Multi-cycle kinetic analysis of this antibody to human SARS-CoV-2 Nucleocapsid protein by using Biacore T200.

## Specification

|                                   |  |
|-----------------------------------|--|
| <b>Product Description</b>        | Human recombinant monoclonal antibody raised against SARS-CoV/SARS-CoV-2 N.  |
| <b>Antibody Species</b>           | Human  |
| <b>Source / Expression System</b> | 293  |
| <b>Reactivity</b>                 | SARS-CoV, SARS-CoV-2   |
| <b>Specificity</b>                | This antibody recognizes human SARS Coronavirus Nucleocapsid protein.  |
| <b>Form</b>                       | Liquid   |
| <b>Purification</b>               | Protein A purification   |
| <b>Purity</b>                     | > 98% (SDS-PAGE)   |
| <b>Isotype</b>                    | IgG1   |
| <b>Quality Control Testing</b>    | Antibody Reactive Against Recombinant Proteins.<br>Western Blot analysis of different recombinant proteins were stained with this antibody at 1:1000 dilution. Lane 1: SARS-CoV-2 NP, Lane 2: SARS-CoV NP, Lane 3: MERS-CoV NP and Lane 4: HCoV-NL63 NP. |

|                            |   |
|----------------------------|---|
| <b>Recommend Usage</b>     | ELISA (1:5000-1:20000)<br>Flow Cytometry (1:500-1:1000)<br>Immunofluorescence(1:500-1:1000)<br>Western Blot (1:1000-1:5000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS, pH 7.4  |
| <b>Storage Instruction</b> | Store at 4°C for at least 6 months. For long term storage, store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.   |
| <b>Note</b>                | Multi-cycle kinetic analysis<br>Multi-cycle kinetic analysis<br>Multi-cycle kinetic analysis of this antibody to human SARS-CoV-2 Nucleocapsid protein by using Bi<br>acore T200.                 |

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 cells and Lane 2: transfected with SARS-CoV-2 VLP (Virus-like particle) were stained with this antibody at 1:1000 dilution.

- Western Blot (Recombinant protein)

- Immunofluorescence

Immunofluorescent staining of 293T cells were respectively transfected with SARS-CoV, SARS-CoV-2, MERS-CoV and HCoV-NL63 nucleocapsid plasmid and stained with this antibody (1:500).

- Enzyme-linked Immunoabsorbent Assay

ELISA assay of this antibody to SARS-CoV-2 nucleocapsid protein, SARS-CoV nucleocapsid protein, MERS-CoV nucleocapsid protein, HCoV-NL63 nucleocapsid protein and BSA (BSA: negative control).

- Flow Cytometry