

# Human COVID 19 Nucleocapsid (NP) Coronavirus Monoclonal Antibody | anti-Covid-19 antibody

Anti-Covid-19 & SARS-CoV Nucleoprotein [CR3009 (03-009)]

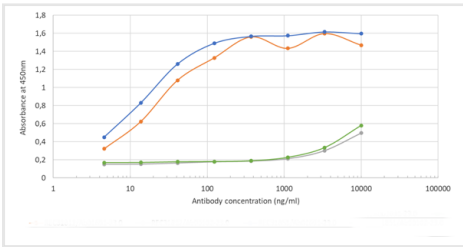
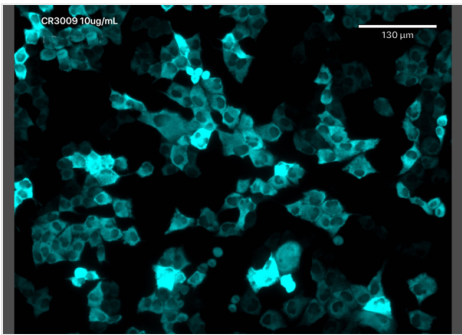
| CATALOG # | HOST  | REACTIVITY          | APPLICATIONS              |
|-----------|-------|---------------------|---------------------------|
| AAA72198  | Human | SARS-CoV, SARS-CoV2 | Immunofluorescence, ELISA |

## PRODUCT SYNONYMS

COVID 19 Nucleocapsid (NP) Coronavirus; Monoclonal Antibody; Anti-Covid-19 & SARS-CoV Nucleoprotein [CR3009 (03-009)]; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Nucleocapsid; Nucleoprotein (NP); NP; NC; Protein N; Nucleocapsid protein; SARS-CoV Protein N; SARS-CoV Nucleocapsid protein; SARS Coronavirus; SARS CoV 2; 2019-nCoV; anti-Covid-19 antibody

## PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                           |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Human                                                                                                                                                                                     |
| Reactivity                                         | SARS-CoV, SARS-CoV2                                                                                                                                                                       |
| Clonality                                          | Monoclonal                                                                                                                                                                                |
| Isotype                                            | Human IgM, kappa                                                                                                                                                                          |
| Clone Number                                       | CR3009 (03-009)                                                                                                                                                                           |
| Specificity                                        | This antibody recognizes and binds the non-linear/conformational epitope of the N protein of SARS CoV and also binds the SARS CoV2 nucleoprotein.                                         |
| Purity/Purification                                | Purified antibody. Affinity Purified using a recombinant lectin column                                                                                                                    |
| Form/Format                                        | PBS with 0.02% Proclin 300.                                                                                                                                                               |
| Concentration                                      | 1mg/ml (varies by lot)                                                                                                                                                                    |
| Applicable Applications for anti-Covid-19 antibody | IF (Immunofluorescence), ELISA                                                                                                                                                            |
| Chimeric Use Statement                             | This reformatted human antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques. |
| PMID                                               | 15650189                                                                                                                                                                                  |
| Preparation and Storage                            | Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.                                                                                            |



**ELISA**  
Binding curve of anti-SARS-Cov-2 (COVID-19) & SARS-CoV Nucleoprotein antibody CR3009 (03-009) to SARS-CoV-2 Nucleoproteins (REC31812 and REC31851). ELISA Plate coated with SARS-CoV-2 Nucleoproteins (REC31812/REC31851; Native Antigen Company) at a concentration of 5ug/ml. A 3-fold serial dilution from 10,000 ng/ml was performed using For detection, a 1:4000 dilution of HRP-labelled anti-rabbit antibody was used. Rabbit anti-Fluorescein [4-4-20 (enhanced)] antibody was used as a control.

ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Covid-19 antibody | Recombinant monoclonal antibody to Covid-19 & SARS-CoV Nucleoprotein. Recombinant Platform with variable regions (i.e. specificity) from the phage-display antibody CR3009 (03-009).<br>The original antibody was generated by cloning the variable regions of the scFvs selected from phage display libraries into separate vectors for IgG1 heavy-chain and light-chain expression. The harvested supernatants were then purified on protein A columns. The original antigen was the whole irradiated virion. |
| Product Categories/Family for anti-Covid-19 antibody   | virus; virology; SARS; coronavirus                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| References                                             | Van Den Brink et al. Molecular and Biological Characterization of Human Monoclonal Antibodies Binding to the Spike and Nucleocapsid Proteins of Severe Acute Respiratory Syndrome Coronavirus. Journal of Virology (2005); Vol-79 (3); p. 1635-1644.<br>Note on publication: Describes the generation and characterization of the antibody.                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                     |                |
|---------------------|----------------|
| UniProt Accession # | P0DTC9; P59595 |
|---------------------|----------------|

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/covid-19-nucleocapsid-np-coronavirus-antibody-clone-cr3009-03-009-immunofluorescence-elisa/72198>