b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

# Certificate of Analysis for NR-53792

## Monoclonal Anti-SARS Coronavirus/SARS-Related Coronavirus 2 Nucleocapsid Protein (produced *in vitro*)

## Catalog No. NR-53792
## Sino Biological Catalog No. 40143-MM05

## Product Description:

Antibody Class: IgG1
Clone: 05
Mouse monoclonal antibody prepared against the severe acute respiratory syndrome coronavirus (SARS-CoV) nucleocapsid (N) protein was purified from a hybridoma supernatant by protein A affinity chromatography. The B cell hybridoma was generated by the fusion of mouse myeloma cells with splenocytes from mice immunized with purified recombinant SARS-CoV N protein (Sino Biological 40143-V08B; GenPept: NP_828858.1; amino acid residues M1 to A422). NR-53792 is specific to the SARS-CoV N protein as shown in ELISA and western blot analysis, with cross reactivity to the N protein from SARS-CoV-2 (BEI Resources NR-53797; Sino Biological 40588-V08B). No cross reactivity was observed in ELISA with N proteins from MERS-CoV, HCoV-229E, HCoV-NL63, HCoV-HKU1 (isolate N5) or HCoV-OC43.

## Lot: HB14JL0605 Manufacturing Date: 06JUL2020

| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| **Concentration** | Report results | 1.16 mg per mL |
| **Functional Activity** | | |
| Western blot analysis | Report results | Reactive[1] |
| ELISA | Report results | Reactive[2] |
| **Sterility** | 0.2 µm filter-sterilized | 0.2 µm filter-sterilized |

[1]Using a 1:1000-1:5000 dilution of NR-53792
[2]Using a 1:1000-1:2000 dilution of NR-53792

/Heather Couch/
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Program Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contributor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.



Support Provided by NIAID

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