

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: MA15JA2201

Manufacturing Date: 15JAN2021

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	1.14 mg per mL
Functional Activity Western blot analysis ELISA	Report results Report results	Reactive ¹ Reactive ²
Sterility	0.2 µm filter-sterilized	0.2 µm filter-sterilized

¹Using a 1:1000-1:5000 dilution of NR-53792

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

/Heather Couch/

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24 MAR 2022

Program Manager or designee, ATCC Federal Solutions

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