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

Catalog No. NR-53794  
Sino Biological Catalog No. 40143-R004

For research use only. Not for use in humans.

Contributor and Manufacturer:  
Sino Biological, Wayne, Pennsylvania, USA

Product Description:  
Antibody Class: IgG  
Clone: 004  
NR-53794 is a recombinant monoclonal rabbit antibody, prepared against the severe acute respiratory syndrome coronavirus (SARS-CoV) nucleocapsid (N) protein (Sino Biological 40143-V08B), that was expressed from HEK293 cells and purified.¹

Material Provided:  
Each vial of NR-53794 contains approximately 50 µL of monoclonal antibody in phosphate buffered saline (PBS). The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:  
NR-53794 was packaged aseptically in screw-capped plastic vials and is provided frozen on dry ice. The product should be stored at -20°C to -80°C immediately upon arrival. NR-53794 can be stored at 2°C to 8°C for one month without detectable loss of activity. Freeze-thaw cycles should be avoided.

Functional Activity:  
NR-53794 is specific to the SARS-CoV N protein as shown in ELISA and western blot analysis (Figure 1), 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-OC43.¹

Citation:  
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-SARS Coronavirus/SARS-Related Coronavirus 2 Nucleocapsid Protein (produced in vitro), NR-53794.”

Biosafety Level: 1  

Disclaimers:  
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References:  

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Figure 1: Representative Anti-SARS-CoV-2 Western Blot

Lane 1: SARS-CoV Nucleocapsid (30 ng)
Lane 2: SARS-CoV Nucleocapsid (5 ng)
Lane 3: SARS-CoV-2 Nucleocapsid (30 ng)
Lane 4: SARS-CoV-2 Nucleocapsid (5 ng)