

**Pooled Non-Human Primate Convalescent Serum to SARS-Related Coronavirus 2, Gamma-Irradiated**

**Catalog No. NR-52401**

**Lot No. 70035113**

**For research use only. Not for human use.**

**Contributor and Manufacturer:**

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**Product Description:**

NR-52401 is pooled convalescent serum collected from four adult rhesus macaques who were inoculated with severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate nCoV-WA1-2020 via a combination of intratracheal, intranasal, ocular and oral routes.<sup>1,2</sup> Serum samples were collected in March 2020 after 21 days post-infection and gamma-irradiated at 2 MRad.<sup>1,2</sup> Individual blood samples collected from the rhesus macaques were checked and found to be negative for SARS-CoV-2 by quantitative RT-PCR.<sup>1,2</sup> This immune serum is useful for the development of ELISA based assays for SARS-CoV-2 virus.

**Material Provided:**

Each vial contains approximately 0.1 mL of serum.

**Packaging/Storage:**

NR-52401 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

**Functional Activity:**

NR-52401 is neutralizing and was shown to be reactive in ELISA assays.<sup>1,2</sup>

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained from Emmie de Wit, Ph.D. ([emmie.dewit@nih.gov](mailto:emmie.dewit@nih.gov)) through BEI Resources, NIAID, NIH: Pooled Non-Human Primate Convalescent Serum to SARS-Related Coronavirus 2, Gamma-Irradiated, NR-52401.”

**Biosafety Level: 2**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. de Wit, E., Personal Communication.
2. Munster, V. J., et al. “Respiratory Disease and Virus Shedding in Rhesus Macaques Inoculated with SARS-CoV-2.” [bioRxiv](https://doi.org/10.1101/2020.03.21.001628) 2020.03.21.001628: doi: <https://doi.org/10.1101/2020.03.21.001628>.

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