

Polyclonal Anti-Porcine Respiratory Coronavirus, ISU-1 (antiserum, Guinea Pig)

Catalog No. NR-459

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For research use only. Not for human use.

NR-459 did not pass the BEI Resources quality control Sterility Test. Please see the Certificate of Analysis to determine whether or not this product is acceptable for your intended use.

Contributor:

NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

Product Description:

Antiserum to the ISU-1 strain of porcine respiratory coronavirus (PRCV) was produced by immunization of guinea pigs with inactivated virus. The antiserum was heat inactivated at 56°C for 30 minutes.

Material Provided:

Each vial contains approximately 1 mL of guinea pig polyclonal antiserum to the ISU-1 strain of PRCV.

Packaging/Storage:

NR-459 was packaged in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Polyclonal Anti-Porcine Respiratory Coronavirus, ISU-1 (antiserum, Guinea Pig), NR-459."

Biosafety Level: 1

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

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References:

1. Hill, H. T., et al. "Porcine Respiratory Coronavirus Isolated From Two U. S. Swine Herds." Proc. Am. Assoc. Swine Practitioners 21 (1990): 333.
2. Bae, I., et al. "Differentiation of Transmissible Gastroenteritis Virus from Porcine Respiratory Coronavirus and Other Antigenically Related Coronaviruses by Using cDNA Probes Specific for the 5' Region of the S Glycoprotein Gene." J. Clin. Microbiol. 29 (1991): 215-218. PubMed: 1847152.
3. Benfield, D. A., et al. "Detection of Transmissible Gastroenteritis Virus using cDNA Probes." Arch. Virol. 116 (1991): 91-106. PubMed: 1848070.

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