

### **Polyclonal Anti-Porcine Respiratory Coronavirus (PRCoV), ISU-1 (antiserum, Gnotobiotic Pig)**

#### **Catalog No. NR-460**

This reagent is the property of the U.S. Government.

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

#### **Contributor:**

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

#### **Product Description:**

Antiserum to the ISU-1 strain of porcine respiratory coronavirus (PRCoV) was produced by immunization of gnotobiotic pigs with the virus. Antiserum was heat inactivated at 56°C for 30 min.

#### **Material Provided:**

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

#### **Packaging/Storage:**

NR-460 was packaged aseptically 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 (PRCoV), ISU-1 (antiserum, Gnotobiotic Pig), NR-460."

#### **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. 4th ed. Washington, DC: U.S. Government Printing Office, 1999. HHS Publication No. (CDC) 93-8395. This text is available online at [www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm).

#### **Disclaimers:**

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org).

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government make any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

#### **Use Restrictions:**

**This material is distributed for internal research, non-commercial purposes only.** This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to negotiate a license. U.S. Government contractors may need a license before first commercial sale.

#### **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.

ATCC® is a trademark of the American Type Culture Collection.