

Polyclonal Anti-Andes Virus, CHI-7913 Nucleocapsid Protein (immunoglobulin G, Rabbit)

Catalog No. NR-9673

For research use only. Not for human use.

Contributor:

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

Product Description:

Polyclonal antiserum to the nucleocapsid (N) protein of the CHI-7913 strain of Andes virus was produced by immunization of New Zealand white rabbits with Andes virus N protein in PBS buffer with Complete Freund's Adjuvant for the primary immunization and with Incomplete Freund's Adjuvant for the subsequent immunizations. Immunoglobulin G was purified from the antiserum by Protein G affinity chromatography.

Material Provided:

Each vial contains approximately 10 mg of NR-9673 in PBS buffer, pH 7.4. No preservative has been added. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-9673 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -20°C or colder for prolonged storage. NR-9673 can be stored at 4°C for up to one year. Repeated freezing and thawing is not recommended. If slight turbidity occurs, clarify the serum by centrifugation before use.

Functional Activity:

NR-9673 is reactive with the N protein of the CHI-7913 strain of Andes virus (available as BEI Resources NR-9669) as determined by Western Blot and ELISA.

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-Andes Virus, CHI-7913 Nucleocapsid Protein (immunoglobulin G, Rabbit), NR-9673."

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. Galeno, H., et al. "First Human Isolate of Hantavirus (Andes Virus) in the Americas." *Emerg. Infect. Dis.* 8 (2002): 657-661. PubMed: 12095430.
2. Mir, M. A., et al. "Hantavirus N Protein Exhibits Genus-Specific Recognition of the Viral RNA Panhandle." *J. Virol.* 80 (2006): 11283-11292. PubMed: 16971445.
3. Tischler, N. D., et al. "Complete Sequence of the Genome of the Human Isolate of Andes Virus CHI-7913: Comparative Sequence and Protein Structure Analysis." *Biol. Res.* 36 (2003): 201-210. PubMed: 14513715.
4. Medina, R. A., et al. "Ecology, Genetic Diversity and Phylogeographic Structure of Andes Virus in Humans and Rodents in Chile." *J. Virol.* 83 (2009) 2446-2459. PubMed: 19116256.

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