

## **Polyclonal Anti-Sin Nombre Virus, SN77734 Nucleocapsid Protein (immunoglobulin G, Rabbit)**

**Catalog No. NR-9674**

**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 SN77734 strain of Sin Nombre virus was produced by immunization of New Zealand white rabbits with Sin Nombre 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-9674 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-9674 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-9674 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-9674 is reactive with the N protein of the SN77734 strain of Sin Nombre virus (available as BEI Resources NR-9670) 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-Sin Nombre Virus, SN77734 Nucleocapsid Protein (immunoglobulin G, Rabbit), NR-9674."

### **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/bmbl5/bmbl5toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm).

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### **References:**

1. Rawlings, J. A., et al. "Cocirculation of Multiple Hantaviruses in Texas, With Characterization of the Small (S) Genome of a Previously Undescribed Virus of Cotton Rats (*Sigmodon hispidus*)." Am. J. Trop. Med. Hyg. 55 (1996): 672-679. PubMed: 9025697.
2. Torrez-Martinez, N., et al. "Bayou Virus-Associated Hantavirus Pulmonary Syndrome in Eastern Texas: Identification of the Rice Rat, *Oryzomys palustris*, as Reservoir Host." Emerg. Infect. Dis. 4 (1998): 105-111. PubMed: 9452404.
3. Bharadwaj, M., et al. "Rio Mamore Virus: Genetic Characterization of a Newly Recognized Hantavirus of the Pygmy Rice Rat, *Oligoryzomys microtis*, from Bolivia." Am. J. Trop. Med. Hyg. 57 (1997): 368-374. PubMed: 9311652.

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