

**Polyclonal Anti-Influenza Virus H9 Hemagglutinin (HA), A/chicken/Hong Kong/G9/97 (H9N2), (antiserum, Goat)**

**Catalog No. NR-668**

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**Contributor and Manufacturer:**

NIH - Influenza Pandemic Preparedness in Asia Program

**Product Description:**

Antiserum to the H9 hemagglutinin (HA) from influenza virus A/chicken/Hong Kong/G9/97 (H9N2)<sup>1-4</sup> was produced by immunization of goat with the recombinant protein.

**Material Provided:**

Each vial contains lyophilized (0.5 mL) goat polyclonal antiserum to the H9 HA from influenza virus A/chicken/Hong Kong/G9/97 (H9N2).

**Packaging/Storage:**

The lyophilized antiserum was packaged aseptically, in glass serum vials with an aluminum crimp seal. The product is provided frozen and should be stored at -20°C to -40°C immediately upon arrival. At colder temperatures, the rubber stopper may become brittle and compromise the seal. **NR-668 should be reconstituted with 0.5 mL of sterile distilled water. Note: Reconstitution with PBS (per the vial label) will result in excess salt.** Reconstituted serum should be stored at -20°C to -40°C. Reconstituted serum may be thawed at room temperature (preferred) or at 37°C and may be re-frozen.

**Functional Activity:**

NR-668 is specific to the H9 HA subtype of influenza virus as determined in serological hemagglutination inhibition (HI) assays. NR-668 demonstrates reactivity with the G9-lineage of Eurasian isolates of the H9 HA subtype based on HI assays. Applications: HI, ELISA, Western blot, virus neutralization test.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Polyclonal Anti-Influenza Virus H9 Hemagglutinin (HA), A/chicken/Hong Kong/G9/97 (H9N2), (antiserum, Goat), NR-668."

**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, 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. Guan, Y., K. F. Shortridge, S. Krauss, and R. G. Webster. "Molecular Characterization of H9N2 Influenza Viruses: Were They the Donors of the "Internal" Genes of H5N1 Viruses in Hong Kong?" Proc. Natl. Acad. Sci. U.S.A. 96 (1999): 9363-9367. PubMed: 10430948. GenBank: AF156373.
2. Liu, H., et al. "Phylogenetic Analysis of the Hemagglutinin Genes of Twenty-Six Avian Influenza Viruses of Subtype H9N2 Isolated from Chickens in China During 1996-2001." Avian Dis. 47 (2003): 116-127. PubMed: 12713166.
3. Lin, Y. P., et al. "Avian-to-Human Transmission of H9N2 Subtype Influenza A Viruses: Relationship Between H9N2 and H5N1 Human Isolates." Proc. Natl. Acad. Sci. U.S.A. 97 (2000): 9654-9658. PubMed: 10920197.
4. Guan, Y., et al. "H9N2 Influenza Viruses Possessing H5N1-Like Internal Genomes Continue to Circulate in

Poultry in Southeastern China." J. Virol. 74 (2000): 9372–9380. PubMed: 11000205.

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