

**Polyclonal Anti-Influenza Virus H9 Hemagglutinin (HA), A/Hong Kong/1073/99 (H9N2), (antiserum, Sheep)**

**Catalog No. NR-662**

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

Please read the Product Information Sheet and Certificate of Analysis carefully to determine whether or not this product is acceptable for your intended use.

**Contributor and Manufacturer:**

NIH - Influenza Pandemic Preparedness in Asia Program

**Product Description:**

Antiserum to the H9 hemagglutinin (HA) from influenza virus A/Hong Kong/1073/99 (H9N2)<sup>1-3</sup> was produced by immunization of sheep with the recombinant protein. NR-662 did not pass sterility testing and is not appropriate for tissue culture or *in vivo* assays.

**Material Provided:**

Each vial contains lyophilized (0.5 mL) sheep polyclonal antiserum to the H9 HA from influenza virus A/Hong Kong/1073/99 (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-622 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-662 is specific to the H9 HA subtype of influenza virus as determined in serological hemagglutination inhibition (HI) assays. Within the H9 HA subtype, NR-662 is specific to Eurasian strains, except for those of Korea-like lineage, based on HI and ELISA assays. NR-662 demonstrates low reactivity with recent North American H9 HA isolates. Applications: HI, ELISA, Western blot.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Polyclonal Anti-Influenza Virus H9 Hemagglutinin (HA), A/Hong Kong/1073/99 (H9N2), (antiserum, Sheep), NR-662."

**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. Saito, T., et al. "Characterization of a Human H9N2 Influenza Virus Isolated in Hong Kong." Vaccine 20 (2001): 125-133. PubMed: 11567756. GenBank: AB080226.
2. 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.
3. Chen, H., et al. "Generation and Evaluation of a High-Growth Reassortant H9N2 Influenza A Virus as a Pandemic Vaccine Candidate." Vaccine 21 (2003): 1974-1979. PubMed: 12706686.

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