

**Polyclonal Anti-Influenza Virus H5 Hemagglutinin (HA), A/Hong Kong/213/03 (H5N1), (antiserum, Goat)**

**Catalog No. NR-163**

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

**Contributor and Manufacturer:**

NIH - Influenza Pandemic Preparedness in Asia Program

**Product Description:**

Antiserum to the H5 hemagglutinin (HA) from influenza virus A/Hong Kong/213/03 (H5N1)<sup>1,2</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 H5 HA from influenza virus A/Hong Kong/213/03 (H5N1).

**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-163 should be reconstituted with 0.5 mL of sterile distilled water.** 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-163 is specific to the H5 HA subtype of influenza virus as determined in serological hemagglutination inhibition (HI) assays. NR-163 demonstrates broad reactivity within the H5 HA subtype based on HI and ELISA assays. A high titer was observed in the HI assay with the homologous virus and moderate or low titers with other viruses of the H5 HA subtype. 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 H5 Hemagglutinin (HA), A/Hong Kong/213/03 (H5N1), (antiserum, Goat), NR-163."

**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/bmb15/index.htm](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**References:**

1. Guan, Y., et al. "H5N1 Influenza: A Protean Pandemic Threat." Proc. Natl. Acad. Sci. U.S.A. 101 (2004): 8156–8161. PubMed: 15148370. GenBank: AY575870.
2. World Health Organization Global Influenza Program Surveillance Network. "Evolution of H5N1 Avian Influenza Viruses in Asia" Emerg. Infect. Dis. 11 (2005): 1303–1305.

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