Polyclonal Anti-Influenza Virus N4 Neuraminidase (NA), A/grey teal/Australia/2/79 (H4N4), (antiserum, Goat)

Catalog No. NR-671

This reagent is the property of the U.S. Government.

For research use only. Not for human use.

Contributor and Manufacturer:

NIH - Influenza Pandemic Preparedness in Asia Program

Product Description:

Antiserum to the N4 neuraminidase (NA) from influenza virus A/grey teal/Australia/2/79 (H4N4)[1] was produced by immunization of goat with the recombinant protein.

Material Provided:

Each vial contains lyophilized (0.5 mL) goat polyclonal antiserum to the N4 NA from influenza virus A/grey teal/Australia/2/79 (H4N4).

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-671 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-671 is specific to the N4 NA subtype of influenza virus as determined in serological neuraminidase inhibition (NI) assays. NR-671 demonstrates broad reactivity within the N4 NA subtype based on NI and ELISA assays. Applications: NI, 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 N4 Neuraminidase (NA), A/grey teal/Australia/2/79 (H4N4), (antiserum, Goat), NR-671."

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.

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References:

1. Donis, R. O., W. J. Bean, Y. Kawaoka, and R. G. Webster. "Distinct Lineages of Influenza Virus H4 Hemagglutinin Genes in Different Regions of the World." Virology 169 (1989): 408–417. PubMed: 2705304.

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