

**Polyclonal Anti-Influenza A Virus (H5N1) Neuraminidase Peptide, Internal Domain (IN), (Rabbit)**

**Catalog No. NR-2696**

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

**Contributor:**

ProSci Incorporated and BEI Resources

**Manufacturer:**

ProSci Incorporated

**Product Description:**

Polyclonal antibody reactive with the neuraminidase (NA) protein from H5N1 strains of avian influenza A virus was produced in rabbits. The antibody was raised against a synthetic peptide corresponding to 16 amino acids located near the middle of the NA protein (GenPept: CAC95053) of the A/chicken/Scotland/1959 (H5N1) strain of influenza virus.<sup>1,2</sup> The antibody was purified using a peptide affinity column. The synthetic peptide is available as BEI Resources NR-2698.

**Material Provided:**

Each vial contains approximately 50 to 100 µg of NR-2696 in phosphate buffered saline containing 0.02% sodium azide. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

**Packaging/Storage:**

NR-2696 is provided frozen and should be stored at -20°C immediately upon arrival and for long term storage. The product may be stored at 2°C to 8°C while in use. Note: During shipment, small volumes of antibody may become entrapped in the seal of the product vial. Prior to opening, the vial should be tapped gently on a hard surface or centrifuged to dislodge any liquid in the container's cap.

**Functional Activity:**

NR-2696 detects the NA protein from H5N1 strains of avian influenza A virus in standard ELISA assays. Optimal concentrations should be determined by the end user.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Polyclonal Anti-Influenza A Virus (H5N1) Neuraminidase Peptide, Internal Domain (IN), (Rabbit), NR-2696."

**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).

**Disclaimers:**

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**References:**

1. Shortridge, K. F., et al. "Characterization of Avian H5N1 Influenza Viruses from Poultry in Hong Kong." Virology 252 (1998): 331–342. PubMed: 9878612.
2. Rousset, J. A. F., et al. "Characterization of Avian Influenza Viruses Isolated from Wild Birds and Sentinel Ducks During the Winter Seasons 2000–2001 and 2001–2002 in France." Unpublished. GenPept: CAC95053.

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