Product Information Sheet for NR-2701

Peptide, Influenza A Virus (H5N1) Hemagglutinin, Amino Terminus (NT)

Catalog No. NR-2701

For research use only. Not for human use.

Contributor:
ProSci Incorporated and BEI Resources

Product Description:
NR-2701 is composed of 15 amino acids located near the amino terminus of the HA protein (GenPept: AAT76166) of the A/chicken/Jilin/9/2004 (H5N1) strain of influenza virus.[1,2]

Material Provided:
Each vial contains approximately 50 µg of NR-2701 in phosphate buffered saline containing 0.1% bovine serum albumin and 0.02% sodium azide. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:
NR-2701 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-2701 detects the HA protein from H5N1 strains of avian influenza A virus in standard ELISA assays. Optimal concentrations should be determined by the end user. It will detect 10 ng of free peptide at a concentration of 1 µg/mL.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Peptide, Influenza A Virus (H5N1) Hemagglutinin, Amino Terminus (NT), NR-2701."

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.

Disclaimers:
You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

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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.

Support Provided by NIAID

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