

Peptide, Influenza A Virus (H5N1) Hemagglutinin, Internal Domain (IN)

Catalog No. NR-2700

For research use only. Not for human use.

Contributor:

ProSci Incorporated and BEI Resources

Product Description:

NR-2700 is composed of 14 amino acids located near the middle of the hemagglutinin (HA) protein of the A/chicken/Jilin/9/04 (H5N1) strain of influenza virus (GenPept: AAT76166).^{1,2} This amino acid sequence is relatively conserved across H5N1 strains of the influenza A virus.

Material Provided:

Each vial contains approximately 50 µg of NR-2700 in phosphate buffered saline (pH 7.2) 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-2700 is provided frozen and should be stored at -20°C or colder immediately upon arrival. Repeated freeze-thaw cycles should be avoided.

Functional Activity:

NR-2700 blocks the activity of rabbit polyclonal antibody (BEI Resources NR-2694) reactive with the HA protein from H5N1 strains of avian influenza A virus in standard ELISA assays.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Peptide, Influenza A Virus (H5N1) Hemagglutinin, Internal Domain (IN), NR-2700."

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.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.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government make any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

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. Jin, K. S., et al. "Genetic Characterization of the Entire Genome of an H5N1 Subtype Avian Influenza Virus A/chicken/Jilin/9/2004." Unpublished. GenPept: AAT76166.

ATCC® is a trademark of the American Type Culture Collection.