

Polyclonal Anti-Influenza Virus H1 (H0) Hemagglutinin (HA), A/Puerto Rico/8/34 (H1N1), (antiserum, Goat)

Catalog No. NR-3148

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

Lot (NIAID Catalog) No. V-314-511-157

For research use only. Not for human use.

Contributor:

National Institutes of Allergy and Infectious Diseases (NIAID),
National Institutes of Health (NIH)

Product Description:

Reagent: Polyclonal antiserum

Host: Goat

Immunizing Antigen: Influenza Virus H1 (H0) Hemagglutinin
(HA), A/Puerto Rico/8/34 (H1N1)

Immunizing Antigen Treatment: None

Adjuvant: Freund's Complete Adjuvant

Material Provided/Storage:

Content: Freeze-dried serum

Original Volume: 1.0 mL

Storage Temperature: 4°C

Functional Activity:

Hemagglutination Inhibition (HI):

Conditions: HI activity was determined as described.¹

Briefly, the dilutions of antisera were allowed to interact with antigen for 60 minutes at 20°C before the addition of chicken erythrocytes.

Titer to Isolated Subunits (old nomenclature in parentheses):

H1N1 (H0N1) from A/Puerto Rico/8/34: 1:10240
H1N1 (H0N1) from A/Bel/42: 1:80
H1N1 (H1N1) from A/Fort Monmouth/1/47: 1:80
H2N2 (N2) from A/Singapore/1/57: < 1:20
H3N2 from A/Hong Kong/1/68: 1:80
H1N1 (Hsw1N1) from A/swine/Iowa/15/30: 1:40
H7N7 (Heq1Neq1) from A/equine/Prague/1/56: 1:40
H3N8 (Heq2Neq2) from A/equine/Miami/1/63: 1:40
H7N7 (Hav1Nav2) from A/FPV/Dutch/27: < 1:20
H10N7 (Hav2Neq2) from A/chicken/Germ/N/49: 1:40
H11N6 (Hav3Nav1) from A/duck/England/56: 1:20
H4N6 (Hav4Nav1) from A/duck/Czech/56: < 1:20
H5N3 (Hav5Nav2) from A/tern/South Africa/61: < 1:20
H6N2 (Hav6N2) from A/turkey/Mass/65: 1:40
H3N8 (Hav7Neq2) from A/duck/Ukraine/1/63: < 1:20
H8N4 (Hav8Nav4) from A/turkey/Ontario/6118/68: < 1:20

Double Immunodiffusion:

Conditions: Hyland double immunodiffusion plates after disruption of purified virus with SDS²

Positive Reaction:

H1 (H0)

Negative Reaction:

Ribonucleoprotein (RNP)

Single Radial Diffusion:

Negative Reaction:

Matrix protein

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Polyclonal Anti-Influenza Virus H1 (H0) Hemagglutinin (HA), A/Puerto Rico/8/34 (H1N1), (antiserum, Goat), NR-3148."

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/bmb15/bmb15toc.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. Fazekas de St. Groth, S. and R. G. Webster. "Disquisitions on Original Antigenic Sin. I. Evidence in Man." J. Exp. Med. 124 (1966): 331-345. PubMed: 5922742.
2. Schild, G. C. and H. G. Pereira. "Characterization of the Ribonucleoprotein and Neuraminidase of Influenza A Viruses by Immunodiffusion." J. Gen. Virol. 4 (1969): 355-363. PubMed: 4977660.

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