

Polyclonal Anti-Influenza Virus Hemagglutinin (HA), B/Lee/40, (antiserum, Goat)

Catalog No. NR-3120

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Lot (NIAID Catalog) No. V-318-501-157

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Contributor:

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

Product Description:

Reagent: Polyclonal antiserum

Host: Goat

Immunizing Antigen: Influenza virus hemagglutinin (HA),
B/Lee/40

Material Provided/Storage:

Content: Lyophilized 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:

Influenza B virus, B/Lee/40: 1:10,240

Influenza B virus, B/Hong Kong/8/73: 1:80

Influenza A virus, A/NWS/34: <1:20

Neuraminidase Inhibition (NI):

Conditions: Neuraminidase (NA) activity was assayed by the method of Warren², except that the color was extracted into *n*-butanol containing 5% (v/v) concentrated hydrochloric acid.³ NI tests were performed as described.⁴ To preclude steric inhibition in the NI tests, an antigenic hybrid possessing an irrelevant hemagglutinin (HA) subunit was used.

Titer:

Influenza B virus, B/Lee/40: <1:20

Influenza B virus, B/Hong Kong/8/73: <1:20

Double Immunodiffusion:

Conditions: Hyland double immunodiffusion plates after disruption of purified virus with SDS⁵

Strong Positive Reaction:

Influenza B virus, B/Lee/40

Weak Positive Reaction:

Influenza B virus, B/Hong Kong/8/73

Negative Reaction:

Influenza A virus, A/NWS/34

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 Hemagglutinin (HA), B/Lee/40, (antiserum, Goat), NR-3120."

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.

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References:

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