H2 Hemagglutinin (HA) Protein from Influenza A Virus, A/Singapore/1/1957 (H2N2), Recombinant from Baculovirus

Catalog No. NR-52249

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For research use only. Not for use in humans.

Contributor and Manufacturer:

St. Jude Children's Research Hospital, Memphis, Tennessee, USA

Product Description:

A recombinant form of the H2 hemagglutinin (HA) protein from influenza A virus, A/Singapore/1/1957 (H2N2) was produced in Sf9 insect cells using a baculovirus expression system. The recombinant HA protein containing the H2 ectodomain and a hexa-histidine tag was purified by ion exchange and affinity chromatography.[1]

Material Provided:

Each vial contains approximately 0.3 mL of purified recombinant HA protein in 50 mM Tris (pH 7.8) with 500 mM NaCl and 10% glycerol. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

Purified recombinant HA protein was packaged aseptically, in screw-capped plastic cryovials. This product is provided on blue ice and should be stored at 2°C to 8°C immediately upon arrival.

Functional Activity:

NR-52249 is functional in SDS-PAGE, western blot and ELISA.[1]

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: H2 Hemagglutinin (HA) Protein from Influenza A Virus, A/Singapore/1/1957 (H2N2), Recombinant from Baculovirus, NR-52249."

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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Govorkova, E. A., Personal Communication.
2. Linster, M., et. al. "The Molecular Basis for Antigenic Drift of Human A/H2N2 Influenza Viruses." J. Virol. 93 (2019): e01907-18. PubMed: 30700609.

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www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898