Monoclonal Anti-Influenza A Virus H3 Hemagglutinin (HA), A/Hong Kong/2286/2017 (H3N2), Clone HK17-3 (ascites, Mouse)

Catalog No. NR-52363

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For research use only. Not for use in humans.

Contributor:

St. Jude Children's Research Hospital (CEIRS)

Manufacturer:

ProSci Incorporated

Product Description:

Antibody Class: IgG2aκ
Mouse monoclonal antibody (clone HK17-3) reactive with the H3 hemagglutinin (HA) of the A/Hong Kong/2286/2017 strain of influenza virus was produced in mouse ascites. Ascites formation was induced by injecting cultured hybridoma cells into the peritoneal cavity of BALB/c mice that had been primed with Incomplete Freund's adjuvant. The harvested ascites fluid was pooled.[1]

HA is an antigenic glycoprotein found on the envelope of the influenza A virus. This protein binds to cellular receptors on the target cell and allows the influenza A virus to enter via endocytosis and membrane fusion. HA is an important target for drug and vaccine development.

Material Provided:

Each vial contains approximately 0.5 mL mouse ascites fluid, lyophilized.

Packaging/Storage:

NR-52363 was packaged in glass serum vials with an aluminum crimp seal. The product is provided frozen and should be stored at -20°C to -40°C immediately upon arrival. Storage at warmer temperatures is not recommended due to a low bioburden. At colder temperatures, the rubber stopper may become brittle and compromise the seal. NR-52363 should be reconstituted with 0.5 mL of sterile distilled water. Reconstituted material should be stored at -20°C to -40°C. Reconstituted material may be thawed at room temperature and should be re-frozen.

Functional Activity:

NR-52363 is specific to the H3 HA of influenza virus as determined in serological hemagglutinin inhibition (HI) assays. NR-52363 is functional in neutralization, western blot, ELISA, immunoprecipitation and immunohistochemistry.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Influenza A Virus H3 Hemagglutinin (HA), A/Hong Kong/2286/2017 (H3N2), Clone HK17-3 (ascites, Mouse), NR-52363."

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.

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