

Monoclonal Anti-Influenza Virus H4 Hemagglutinin (HA), A/mallard/Alberta/455/2015 (H4N6), Clone AB15-4 (ascites, Mouse)

Catalog No. NR-51385

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Contributor:

St. Jude Children's Research Hospital (CEIRS)

Manufacturer:

ProSci Incorporated

Product Description:

Antibody Class: IgG1κ

Mouse monoclonal antibody (clone AB15-4) reactive with the H4 hemagglutinin (HA) of the A/mallard/Alberta/455/2015 (H4N6) 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 and then clarified using centrifugation and filtration.

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-51385 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-51385 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-51385 is specific to the H4 HA of influenza virus as determined in serological hemagglutinin inhibition (HI) assays.

Applications: HI, western blot, ELISA, immunoprecipitation, immunohistochemistry, virus neutralization test.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Influenza Virus H4 Hemagglutinin (HA), A/mallard/Alberta/455/2015 (H4N6), Clone AB15-4 (ascites, Mouse), NR-51385."

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, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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