

Monoclonal Anti-Influenza Virus H4 Hemagglutinin (HA), A/mallard/Alberta/455/2015 (H4N6), Clone AB15-3 (ascites, Mouse)

Catalog No. NR-51384

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

For research use only. Not for human use.

Contributor:

St. Jude Children's Research Hospital (CEIRS)

Manufacturer:

ProSci Incorporated

Product Description:

Antibody Class: IgG1κ

Mouse monoclonal antibody (clone AB15-3) 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-51384 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-51384 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-51384 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 AB15-3 (ascites, Mouse), NR-51384."

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/bmb15/index.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 makes 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.

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

