Monoclonal Anti-Influenza A Virus H5 Hemagglutinin (HA), A/Vietnam/1203/2004 (H5N1), Clone DPJY01 (produced in vitro)

Catalog No. NR-19869
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For research use only. Not for human use.

Contributor:
Daniel R. Perez, Ph.D., Associate Professor of Virology, Department of Veterinary Medicine, College of Agricultural and Natural Resources, University of Maryland, College Park, MD, USA, provided under government contract

Manufacturer:
BEI Resources

Product Description:
Antibody Class: IgAx
Mouse monoclonal antibody prepared against the H5 hemagglutinin (HA) protein of the A/Vietnam/1203/2004 (H5N1) strain of influenza A virus was purified from clone DPJY01. Lot 59476519 was purified by protein L affinity chromatography. Lot 61728588 was purified using a protein-free thiophilic adsorbent column. The B cell hybridoma was generated by the fusion of Sp2/0 mouse myeloma cells with splenocytes from BALB/c mice immunized by intraperitoneal injection with the attenuated influenza virus strain ΔH5N1-WF10tsHA.1,2

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 of NR-19869 contains approximately 100 µL of purified monoclonal antibody in PBS. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:
NR-19869 was packaged aseptically in screw-capped plastic vials and is provided frozen on dry ice. The product should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:
NR-19869 reacts with H5 influenza viruses in ELISA. See Certificate of Analysis for details. The antibody is also reported to be strongly neutralizing both in vitro and in vivo, to be broadly reactive against H5 influenza viruses in hemagglutination inhibition tests, and to protect mice from sublethal challenge with the highly pathogenic influenza A virus A/Vietnam/1203/2004 (H5N1).1

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Influenza A Virus H5 Hemagglutinin (HA), A/Vietnam/1203/2004 (H5N1), Clone DPJY01 (produced in vitro), NR-19869.”

Biosafety Level: 1

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References:

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