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SUPPORTING INFECTIOUS DISEASE RESEARCH

Product Information Sheet for NR-19226

Monoclonal Anti-Influenza A Virus Polymerase Acidic Subunit (PA), Clone 5C5 (produced *in vitro*)

Catalog No. NR-19226

For research use only. Not for human use.

Contributor:
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Manufacturer:
NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

Product Description:
Antibody Class: IgG2aκ

The antibody class of the hybridoma from which NR-19226 was derived has been reported to be IgG. Results from BEI Resources indicate that the purified antibody is IgG2a.

Mouse monoclonal antibody prepared against the polymerase acidic subunit (PA) of influenza A virus was purified from clone 5C5 hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of mouse myeloma cells with splenocytes from BALB/c mice immunized with two doses of influenza virus A/Puerto Rico/8/1934 and then boosted with purified influenza virus polymerase complex.[1]

Material Provided:
Each vial of NR-19226 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-19226 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. NR-19226 should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:
NR-19226 is reactive against the PA of influenza A virus in indirect immunofluorescence assays.[2]

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Monoclonal Anti-Influenza A Virus Polymerase Acidic Subunit (PA), Clone 5C5 (produced *in vitro*), NR-19226."

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References:

1. Deng, T., "*In Vitro* Assembly of PB2 with a PB1-PA Dimer Supports a New Model of Assembly of Influenza A Virus Polymerase Subunits into a Functional Trimeric Complex." J. Virol. 79 (2005): 8669-8674. PubMed: 15956611.
2. A. Garcia-Sastre, personal communication.

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