

**Monoclonal Anti-Influenza A Virus Polymerase Acidic Subunit (PA), Clone 1F6 (produced *in vitro*)**

**Catalog No. NR-19225**

**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: IgG2ak

Mouse monoclonal antibody prepared against the polymerase acidic subunit (PA) of influenza A virus was purified from clone 1F6 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.<sup>1</sup>

**Material Provided:**

Each vial of NR-19225 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-19225 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. NR-19225 should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

**Functional Activity:**

NR-19225 is reactive against the PA of influenza A virus in indirect immunofluorescence assays.<sup>2</sup>

**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](http://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 1F6 (produced *in vitro*), NR-19225."

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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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