

Monoclonal Anti-Influenza A Virus Polymerase Acidic Subunit (PA), Clone 8E10 (produced *in vitro*)

Catalog No. NR-19224

For research use only. Not for use in humans.

Contributor:

Adolfo Garcia-Sastre, Ph.D., Departments of Medicine and Microbiology, and Global Health and Emerging Pathogens Institute, Mount Sinai School of Medicine, New York, New York, USA

Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG2bk

Mouse monoclonal antibody prepared against the polymerase acidic subunit (PA) of influenza A virus was purified from clone 8E10 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-19224 contains approximately 100 µL of purified monoclonal antibody in phosphate-buffered saline (PBS). The concentration, expressed as mg/mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-19224 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-19224 is reactive against the PA of influenza A virus in indirect immunofluorescence assays.²

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Influenza A Virus Polymerase Acidic Subunit (PA), Clone 8E10 (produced *in vitro*), NR-19224."

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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. Deng, T., et al. "*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. Garcia-Sastre, A., Personal Communication.

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