

Monoclonal Anti-Monkeypox Virus A29 Protein, Clone 0006 (produced *in vitro*)

Catalog No. NR-58704

Sino Biological Catalog No. 40891-M0006

For research use only. Not for use in humans.

Contributor and Manufacturer:

Sino Biological, Inc., Wayne, Pennsylvania, USA

Product Description:

Antibody Class: IgG1

Clone: 0006

NR-58704 is a recombinant monoclonal mouse antibody, prepared against the monkeypox virus (MPXV) A29 protein (Sino Biological 40891-V08E), that was expressed from HEK293 cells and purified.¹

Material Provided:

Each vial of NR-58704 contains approximately 50 µL of monoclonal antibody in phosphate buffered saline (PBS). The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-58704 was packaged aseptically in screw-capped plastic vials and is provided frozen on dry ice. The product should be stored at -20°C to -80°C immediately upon arrival. NR-58704 can be stored at 2°C to 8°C for one month without detectable loss of activity. Freeze-thaw cycles should be avoided.

Functional Activity:

NR-58704 is specific to the MPXV A29 protein as shown in ELISA and western blot analysis (Figure 1), with cross reactivity to the A27L protein from vaccinia virus (strain Copenhagen) (Sino Biological 40897-V07E).¹

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Monkeypox Virus A29 Protein, Clone 0006 (produced *in vitro*), NR-58704."

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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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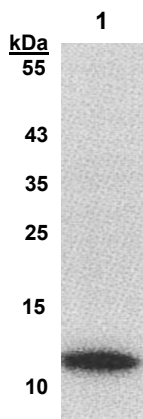
References:

1. Lei, C., Personal Communication.

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Figure 1: Representative Anti-MPXV A29 Western Blot



Lane 1: MPXV A29 (Sino Biological 40891-V08E) (10 ng)