

## Monoclonal Anti-Monkeypox Virus A29 Protein, Clone 0017 (produced *in vitro*)

**Catalog No. NR-59051**

**Sino Biological Catalog No. 40891-M0017**

**For research use only. Not for use in humans.**

### Contributor and Manufacturer:

Sino Biological, Inc., Wayne, Pennsylvania, USA

### Product Description:

Antibody Class: IgG1

Clone: 0017

NR-59051 is a recombinant mouse monoclonal antibody, prepared against the monkeypox virus (MPXV) A29 protein (Sino Biological 40891-V08E), that was expressed from HEK293 cells and purified.<sup>1</sup>

### Material Provided:

Each vial of NR-59051 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-59051 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-59051 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-59051 is specific to the MPXV A29 protein as shown in ELISA and western blot analysis (Figure 1), with cross-reactivity in ELISA and western blot with the A27L protein from vaccinia virus (strain Copenhagen) (Sino Biological 40897-V07E). The optimal concentration and dilution of the antibody to be used in a specific application should be determined by the user.

### Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Monkeypox Virus A29 Protein, Clone 0017 (produced *in vitro*), NR-59051."

### 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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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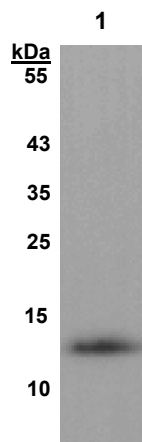
### References:

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)**