Monoclonal Anti-Monkeypox Virus A29 Protein, Clone 0027 (produced *in vitro*)

Catalog No. NR-59052
Sino Biological Catalog No. 40891-M0027

For research use only. Not for use in humans.

Contributor and Manufacturer:
Sino Biological, Inc., Wayne, Pennsylvania, USA

Product Description:
Antibody Class: IgG1
Clone: 0027
NR-59052 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.[1]

Material Provided:
Each vial of NR-59052 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-59052 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-59052 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-59052 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 0027 (produced *in vitro*), NR-59052."

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.

Disclaimers:
You are authorized to use this product for research use only. It is not intended for human use.

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References:
1. Lei, C., Personal Communication.

Support Provided by NIAID

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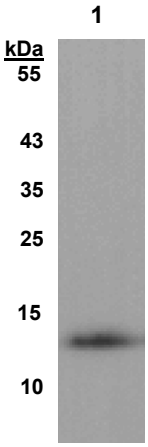
Figure 1: Representative Anti-MPXV A29 Western Blot



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

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