

# Monoclonal Anti-Monkeypox Virus A29 Protein, Clone 0031 (produced *in vitro*)

Catalog No. NR-59053

Sino Biological Catalog No. 40891-M0031

## Product Description:

Antibody Class: IgG1

Clone: 0031

NR-59053 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. NR-59053 is specific to the MPXV A29 protein as shown in ELISA and western blot analysis. It has minimal cross-reactivity in western blot with the A27L protein from vaccinia virus (strain Copenhagen) (Sino Biological 40897-V07E), and no cross-reactivity in ELISA with the same protein.

Lot: MA16AU1502-Y-B

Manufacturing Date: 16JUN2021

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	3.28 mg per mL
Functional Activity Western blot analysis ELISA Sandwich ELISA	Report results Report results Report results	Reactive <sup>1</sup> Reactive <sup>2</sup> Reactive <sup>3</sup>
Sterility	0.2 µm filter-sterilized	0.2 µm filter-sterilized

<sup>1</sup>Using a 1:500 to 1:5000 dilution of NR-59053

<sup>2</sup>Using a 1:5000 to 1:10000 dilution of NR-59053

<sup>3</sup>Using a 1:250 to 1:2000 dilution of NR-59053. In a sandwich ELISA, NR-59053 can be used as a capture antibody when paired with Sino Biological Catalog No. 40891-M0027.

/Sonia Bjorum Brower/

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20 JAN 2023

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