

# Monkeypox Virus (MPXV) A29 Antibody, Mouse MAb



Sino Biological  
Biological Solution Specialist

Catalog Number: 40891-M0031

## GENERAL INFORMATION

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Immunogen:</b>   | Recombinant Monkeypox Virus (MPXV) A29 Protein (Catalog# 40891-V08E)                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Preparation</b>  | This product is a recombinant monoclonal antibody expressed from HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Ig Type:</b>     | Mouse IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clone ID:</b>    | 0031                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Specificity:</b> | Monkeypox Virus (MPXV) A29                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                     | <b>Minimal cross-reactivity in ELISA with</b><br>Monkeypox Virus (MPXV) (Clade Ib) Protein A29L (Catalog# 41041-V08E)<br><b>Minimal cross-reactivity in WB with</b><br>Vaccinia virus (VACV) (strain Copenhagen) A27L Protein(Catalog # 40897-V07E)<br><b>No cross-reactivity in ELISA with</b><br>Vaccinia virus (VACV) (strain Copenhagen) A27L Protein(Catalog # 40897-V07E)<br><b>No cross-reactivity in WB with</b><br>Monkeypox Virus (MPXV) (Clade Ib) Protein A29L (Catalog# 41041-V08E) |
| <b>Formulation:</b> | 0.2 µm filtered solution in PBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage:</b>     | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                               |

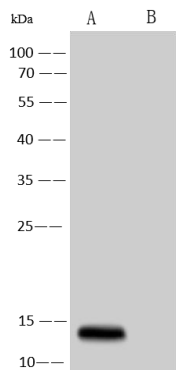
## APPLICATIONS

|                      |                                                                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications:</b> | WB,ELISA,ELISA(Cap)                                                                                                                                                                                                             |
|                      | IHC, FCM, IF, IP et al. applications haven't been validated. (Antibody's applications haven't been validated with corresponding virus positive samples. Optimal concentrations/dilutions should be determined by the end user.) |

## RECOMMENDED CONCENTRATION

|                     |                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Western Blot</b> | WB: 1:500-1:5000                                                                                                                     |
| <b>ELISA</b>        | ELISA: 1:5000-1:10000                                                                                                                |
| <b>ELISA(Cap)</b>   | ELISA(Cap): 1:250-1:2000<br>In a sandwich ELISA, Cat# 40891-M0031 can be used as capture antibody when paired with Cat# 40891-M0027. |

**Please Note: Optimal concentrations/dilutions should be determined by the end user.**



Anti-Monkeypox Virus (MPXV) Protein A29 mouse monoclonal antibody at 1:1000 dilution.

Lane A: Monkeypox Virus (MPXV) Protein A29 (Cat#40891-V08E) 10ng

Lane B: Monkeypox Virus (MPXV) (Clade Ib) Protein A29L (Cat#41041-V08E) (10ng)

Secondary

Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

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Tel: 215-583-7898 (US); +86-400-890-9989(Global) ●

<http://www.sinobiological.com>