

# Rabbit anti-Monkeypox virus E8L mAb (DET)

**Catalog No.:** RM17869

## Basic Information

**Catalog No.**  
RM17869

**Catagory**  
Elisa Antibody Kit

**Application**  
ELISA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification


**Endotoxin Level**


**Storage**  
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.**

**Formulation**  
Supplied as a 0.2µm filtered solution in PBS with 0.1% BSA, pH 7.8.

## Contact

 | order@abclonal.com

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 | www.abclonal.com

## Background

Monkeypox Virus (MPXV), the virus that causes monkeypox infection in both humans and animals, is a double-stranded DNA virus that has had a recent global outbreak in 2022. MPXV belongs to the Poxviridae family of viruses. It consists of several key subunits including a surface membrane fusion protein (A29L, ~14 kDa), two separate envelope proteins (A30L ~14 kDa and H3L ~32kDa), an envelope glycoprotein, A35R ~15 kDa), a receptor glycoprotein that mimics IFN $\alpha$ /beta (B16, ~37kDa), a palmitoylated EEV membrane glycoprotein (C19L, ~35 kDa), a secreted IL-18 binding protein (D6L, ~14kDa), a cell surface-binding protein (E8L, ~32 kDa), a telomere binding protein (I1L, ~36kDa), and a subunit required for DNA packaging (L1R, 18 kDa). The E8L subunit in MPXV is a surface binding protein that plays a key role in viral entry. This happens with E8L binding to chondroitin sulfate on the surface of cells, giving MPXV virion attachment to the host cell. In infected samples, E8L is identified in abundance with intracellular proteins. When t...

## Immunogen Information

**Immunogen**  
Recombinant Monkeypox virus E8L protein

## Cross-Reactivity

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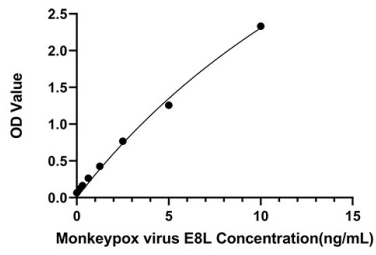
## Assay Applications

Monkeypox Virus E8L Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.25-1µg/mL	Rabbit anti-Monkeypox Virus E8L(CAP)(Cat. No.RM17868)
ELISA Detection	0.033-0.133µg/mL	Rabbit anti-Monkeypox Virus E8L(DET)(Cat. No.RM17869)
Standard	0.156-10ng/mL	Recombinant Monkeypox Virus E8L Protein

## Validation Data

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This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.