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Rabbit anti-Monkeypox virus E8L mAb (CAP)

Catalog No.: RM17868

Basic Information

Catalog No.
RM17868

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.05%ProClin 300,PH 7.4.

Contact

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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

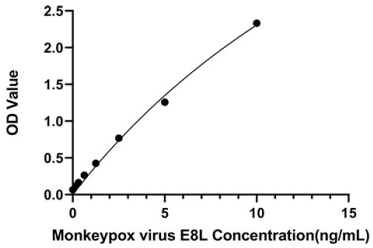
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Assay Applications

Monkeypox Virus E8L Sandwich ELISA Immunoassay

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

Validation Data



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