

RMK0093

Leader in Biomolecular Solutions for Life Science



Rabbit anti-Human MPXV E8L mAb(CAP)

Catalog No.: RMK0093

Basic Information

Catagory

Matched Antibody Pair

Applications

CLIA assay

Product Information

Ig Type

Rabbit IgG

Purification

Affinity purification

Endotoxin Level

Storage

Store unopened kit at 2-8 °C for 1 week. If more than one week, please keep the components of the kit according to the instructions. Do not use past kit expiration date.

Avoid repeated freeze-thaw cycles.

Formulation

Supplied as a 0.2um filtered solution in PBS with 0.1% BSA, pH 7.4.

Contact



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 (1). MPXV belongs to the Poxviridae family of viruses (2). It consists of several key subunits including a surface membrane fusion protein (A29L, ~14 kDa), two separate envelope proteins (A30L, ~14 kDa and H3L, ~32 kDa), an envelope glycoprotein (A35R ~15 kDa), a receptor glycoprotein that mimics IFN α /beta (B16, ~37 kDa), a palmitoylated EEV membrane glycoprotein (C19L, ~35 kDa), a secreted IL-18 binding protein (D6L, ~14 kDa), a cell surface-binding protein (E8L, ~32 kDa), a telomere binding protein (I1L, ~36 kDa), and a subunit required for DNA packaging (L1R, 18 kDa) (2-3). The envelope glycoprotein A35R is highly conserved among poxviruses. It is not required for replication, but it was reported to play a role in virulence (4). In addition, A35R was shown to inhibit MHC class II antigen presentation (5).

Immunogen Information

Immunogen

Recombinant Human MPXV E8L Protein

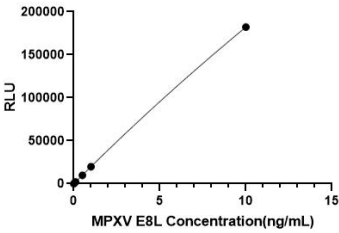
Cross-Reactivity

Assay Applications

Human MPXV E8L CLIA assay

	Recommended Concentration	Sample
CLIA Capture	1-4ug/mL	Rabbit anti-Human MPXV E8L mAb(CAP)(Cat. No.RMK0093)
CLIA Detection	0.5-2ug/mL	Rabbit anti-Human MPXV E8L mAb(DET)(Cat. No.RMK0094)
Standard	0.05-10ng/mL	Recombinant Human MPXV E8L Protein

Validation Data



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