

Active Recombinant Monkeypox virus(strain Zaire-96-I-16) H3L protein, His-tagged

Cat. No. H3L-001M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Monkeypox virus(strain Zaire-96-I-16) H3L protein(Met 1 - Phe 282), fused with His tag, was expressed in HEK293.
Species	MPX
Source	HEK293
ProteinLength	Met1-Phe282
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Monkeypox virus (strain Zaire-96-I-16) H3L, His Tag at 1 µg/mL (100 µL/well) can bind Anti-Monkeypox virus/MPXV H3L Antibody with a linear range of 4-63 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 34.6 kDa. The protein migrates as 35-43 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or

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lower. Please protect from light and avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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