

Monkeypox virus (strain Zaire-96-I-16) L1R Protein, His Tag (HPLC verified)

Catalog # L1R-M5241



BIOSYSTEMS
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Synonym

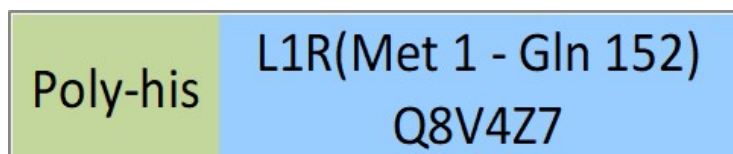
L1R

Source

Monkeypox virus (strain Zaire-96-I-16) L1R, His Tag(L1R-M5241) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Gln 152 (Accession # [Q8V4Z7](#)).

Predicted N-terminus: His

Molecular Characterization



This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 19.7 kDa. The protein migrates as 18-19 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.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

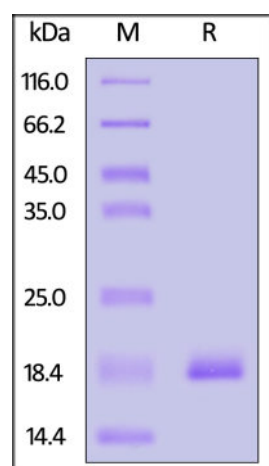
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

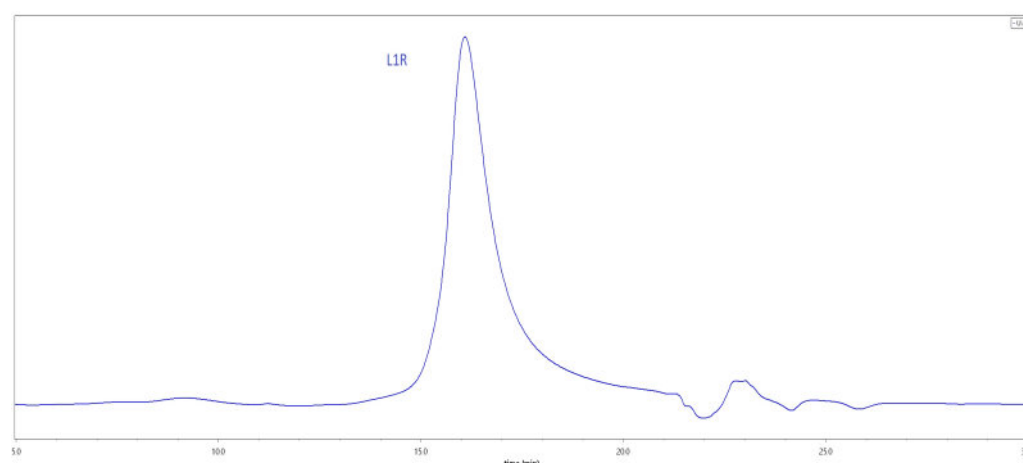
SDS-PAGE



Monkeypox virus (strain Zaire-96-I-16) L1R, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA

SEC-HPLC



The purity of Monkeypox virus (strain Zaire-96-I-16) L1R, His Tag (Cat. No. L1R-M5241) was greater than >90% as determined by SEC-HPLC. as determined by SEC-HPLC.

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and more!

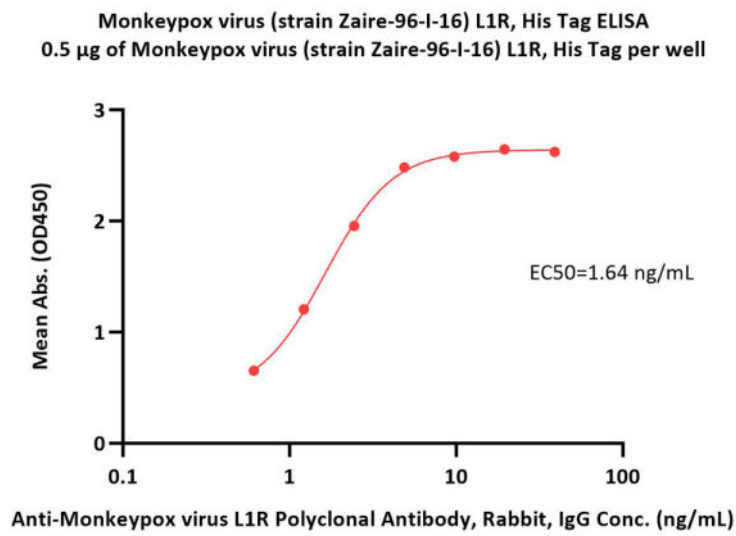


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12/29/2023

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Catalog # L1R-M5241



Immobilized Monkeypox virus (strain Zaire-96-I-16) L1R, His Tag (Cat. No. L1R-M5241) at 5 µg/mL (100 µL/well) can bind Anti-Monkeypox virus L1R Polyclonal Antibody, Rabbit, IgG with a linear range of 0.6-2 ng/mL (QC tested).

Background

Monkeypox is a rare zoonosis caused by monkeypox virus, which has become the most serious orthopoxvirus and consists of complex double stranded DNA. The cases are mostly in central and western Africa. The pathogenesis of monkeypox is that the virus invades the body from respiratory mucosa, multiplies in lymphocytes, and incurs into blood producing transient venereal toxemia. after the virus multiplies in cells, the cells can invade the blood and propagate to the skin of the whole body, causing lesions.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

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