

## **PRODUCT INFORMATION**

**Target** A29L A29L **Synonyms** 

Recombinant Monkeypox virus A29L Protein with **Description** 

C-terminal 6×His tag

**Delivery** In Stock **Uniprot ID** Q77HM6 **Expression Host HEK293** Tag C-6×His Tag

Molecular Characterization

**Molecular Weight** 

Monkeypox virus A29L(Met1-Glu110) 6×His tag

The protein has a predicted molecular mass of 13.4 kDa after removal of the signal peptide. The apparent molecular mass of Monkeypox virus

A29L-His is approximately 10-25 kDa due to

glycosylation.

The purity of the protein is greater than 85% as Purity determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

Monkeypox is a rare zoonosis caused by monkeypox virus, which has become the most serious orthpoxvirus 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

**Background** 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. A29L binds to cell surface heparin to promote fusion of viral membrane with

host plasma membrane.

Usage Research use only Conjugate Unconjugated







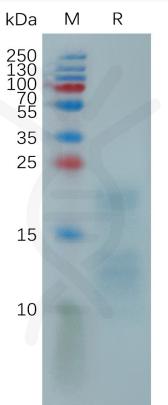
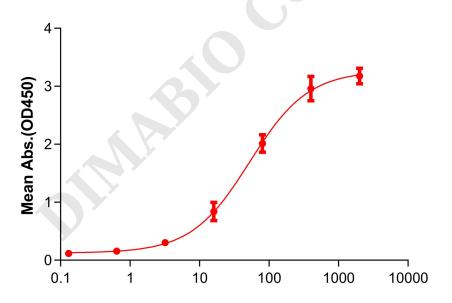


Figure 1. Monkeypox virus A29L Protein, His Tag on SDS-PAGE under reducing condition.

## Monkeypox virus A29L Protein, His Tag ELISA

0.2 μg of Monkeypox virus A29L, His tagged protein per well



Biotinylated Anti-Monkeypox virus A29L antibody(1A5), Rabbit mAb (ng/mL)

Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Monkeypox virus A29L Protein, His tag (PME101151) can bind Biotinylated Anti-Monkeypox virus A29L antibody(1A5), Rabbit mAb (DME101187B) in a linear range of 16-80 ng/mL.

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