PRODUCT INFORMATION

Target	A29L
Synonyms	A29L
Description	Recombinant Monkeypox virus A29L Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q77HM6
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	Monkeypox virus A29L(Met1-Glu110) 6×His tag
Molecular Weight	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.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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). Lyophilized proteins are shipped at ambient temperature.
Background	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 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

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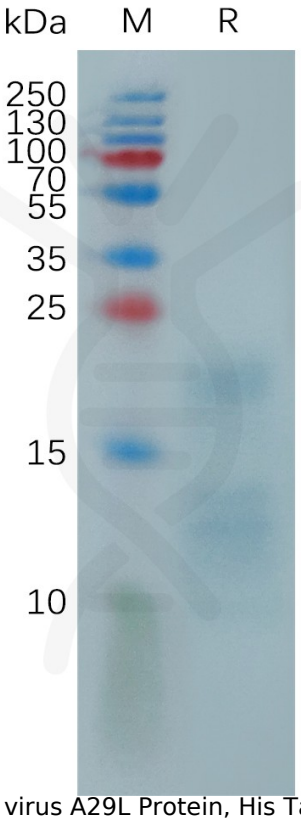


Figure 1. Monkeypox virus A29L Protein, His Tag on SDS-PAGE under reducing condition.

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