

Recombinant Monkeypox A5L and A11L Fusion Antigen

Cat. No. A5L-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Monkeypox A5L and A11L Fusion Antigen Contains a proprietary tag at the N-Terminal was expressed in E. coli.
Species	MPX
Source	E.coli
Description	Monkeypox is a viral zoonotic disease that occurs primarily in tropical rainforest areas of central and west Africa and is occasionally exported to other regions. Core protein 4a is the most abundant virion protein. Major component of the virion core that undergoes proteolytic processing during the immature virion (IV) to mature virion (MV) transition.
Form	Purified, Liquid
Molecular Mass	~ 53 kDa on a 12% reducing SDS-PAGE.
Purity	Affinity Purified, ≥ 85% (SDS-PAGE)
Applications	Suitable for use in ELISA and Western Blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Storage	Store at -20 centigrade. Avoid repeated freeze/thaw cycles.

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Concentration	0.7 mg/mL (BCA)
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Storage Buffer	50 mM Tris-HCl, 100 mM Sodium Chloride, pH 8.0.
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GENE INFORMATION

Gene Name	A5L A5L [Monkeypox virus Zaire-96-I-16]
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Official Symbol	A5L
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Synonyms	A5L; MPXVgp115; similar to Vaccinia virus strain Copenhagen A4L; 39 kDa immunodominant virion core protein needed for the progression of IV to infectious IMV; A11L; MPXVgp121; similar to Vaccinia virus strain Copenhagen A10L; major virion core protein p4a
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Gene ID	929016
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Protein Refseq	NP_536542
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UniProt ID	Q8V4X1
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