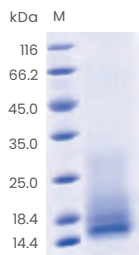


Monkeypox Virus Research Tools

Recombinant Antigens & Antigen Detection Antibodies

Recombinant Antigens for Immunodiagnosics

Monkeypox Virus A35 Protein



Cat#: 40886-V08H
Expression Host: HEK293
Purity: >90%

A35 protein is a homolog of Vaccinia virus A33R protein

Functions: 1) Plays a vital role in efficient cell-to-cell spread of viral particles; 2) A potential target for diagnostic tests, vaccine/drug development.

Monkeypox Virus A29 Protein

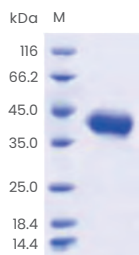


Cat#: 40891-V08E
Expression Host: *E. coli*
Purity: >90%

A29 protein is a homolog of Vaccinia virus A27 protein

Functions: 1) Binds heparin on the cell surface to mediate cell fusion; 2) Required for IMV trafficking on microtubules and IEV formation; 3) Anchor for packaging A26 protein into mature viral particles; 4) Key target for neutralizing antibodies.

Monkeypox Virus H3L Protein



Cat#: 40893-V08H1
Expression Host: HEK293
Purity: >95%

H3L protein is a homolog of Vaccinia virus H3L protein

Functions: 1) Binds to heparin sulfate on the cell surface; 2) Might provide virion attachment to host cell. 3) A potential target for vaccine and drug development.

Monkeypox Virus L1R Protein



Cat#: 40889-V07E
Expression Host: *E. coli*
Purity: >90%

L1R protein is a homolog of Vaccinia virus J1R protein

Functions: Plays a vital role in virus growth, plaque formation, and virion morphogenesis.

List of Monkeypox Virus Recombinant Antigens (Partial)

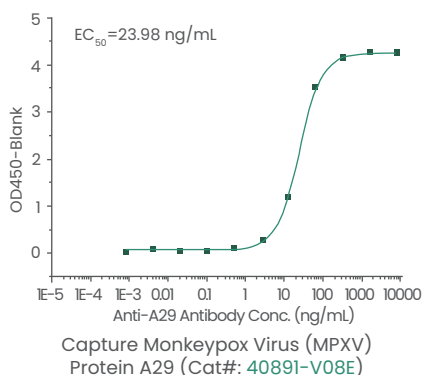
Cat#	Antigen	Strain	Expressed Host	Purity	Tag
40886-V07E	A35	West African strains	<i>E. coli</i>	>90%	N-His
40886-V08H	A35	West African strains	HEK293 Cell	>90%(by SEC-HPLC)	C-His
40902-V08H	B6R	West African strains	HEK293 Cell	>90%	C-His
40904-V07H	MIR	West African strains	HEK293 Cell	>90%	N-His
40893-V08H1	H3L	West African strains	HEK293 Cell	>95%(by SEC-HPLC)	C-His
40891-V08E	A29	West African strains	<i>E. coli</i>	>90%	C-His
40889-V07E	LIR	West African strains	<i>E. coli</i>	>90%	N-His
40903-V07H	LIR	strain Copenhagen	HEK293 Cell	>95%	N-His
40888-V07E	IL	West African strains	<i>E. coli</i>	>90%	N-His
40896-V07E	A33R	strain Copenhagen	<i>E. coli</i>	>90%	N-His
40885-V53E	A33R	strain Copenhagen	<i>E. coli</i>	>85%	N-GST & His
40897-V07E	A27L	strain Copenhagen	<i>E. coli</i>	>95%	N-His
40900-V08H	PS/HR (B5R)	strain Copenhagen	HEK293 Cell	>90%	C-His

Monkeypox Virus Antigen Detection Antibodies

Anti-A29 Antibody, Mouse MAb

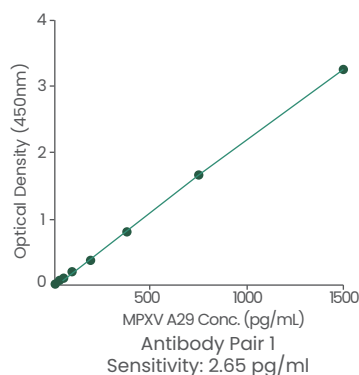
Cat#: 40891-M0036

ELISA Assay



A29 Detection Antibody Pairs

Sandwich ELISA Quantitative Detection



Pair 1

Capture Ab: 40891-M0031
Detection Ab: 40891-MM0027

Pair 2

Capture Ab: 40891-M032
Detection Ab: 40891-M0025

Pair 3

Capture Ab: 40891-M0017
Detection Ab: 40891-M0027

List of Antigen A29 Detection Antibodies (Partial)

Cat#	Application	Ig Type
40891-M0027	WB,ELISA,ELISA(Det)	Mouse IgG1
40891-M0032	WB,ELISA,ELISA(Cap)	Mouse IgG1
40891-M0017	WB,ELISA,ELISA(Cap)	Mouse IgG1
40891-M0036	WB,ELISA	Mouse IgG1
40891-M0006	WB,ELISA	Mouse IgG1

These two antibodies don't have cross-reactivity with (VACV) A27L (Cat#: 40897-V07E)

Cat#	Application	Ig Type
40891-M0031	WB,ELISA,ELISA(Cap)	Mouse IgG1
40891-M0025	WB,ELISA,ELISA(Det)	Mouse IgG1



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