

Monoclonal Anti-Monkeypox-A35R Antibody, Human IgG1 (6F11) (MALS verified)

Catalog # A3R-M575



Source

Monoclonal Anti-Monkeypox-A35R Antibody, Human IgG1 (6F11) is a chimeric monoclonal antibody recombinantly expressed in HEK293, which combines the variable region of a mouse monoclonal antibody with human constant domain.

Antibody Type

Recombinant Monoclonal

Clone

6F11

Isotype

Human IgG1, Kappa

Host Species

Mouse

Reactivity

Virus

Immunogen

Recombinant Monkeypox virus (strain Zaire-96-I-16) A35R derived from human 293 cells

Specificity

This product is a specific antibody specifically reacts with A35R (MPXV).

Purification

Protein A purified / Protein G purified.

Aggregation

Less than 10%, as determined by SEC-MALS.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4), with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

Shipping

Lyophilized product is shipped at ambient temperature.

Storage

For long term storage, the product should be stored in a 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.

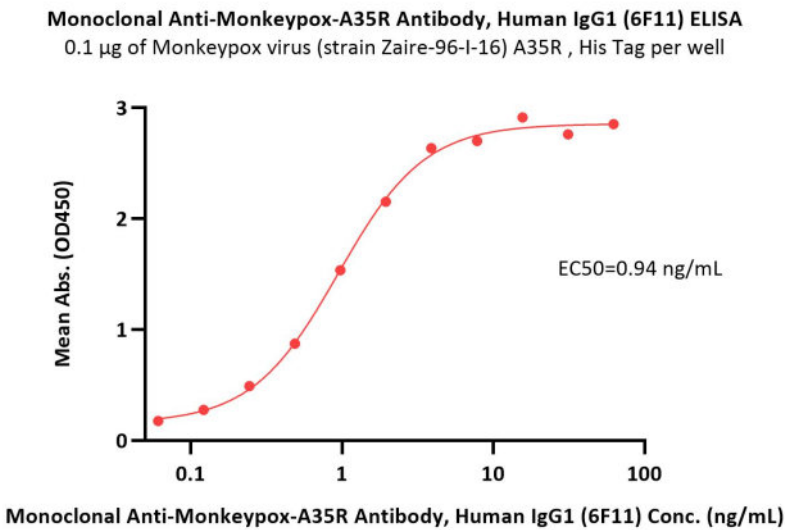
Notices

Product Specific Notices: For research use only.

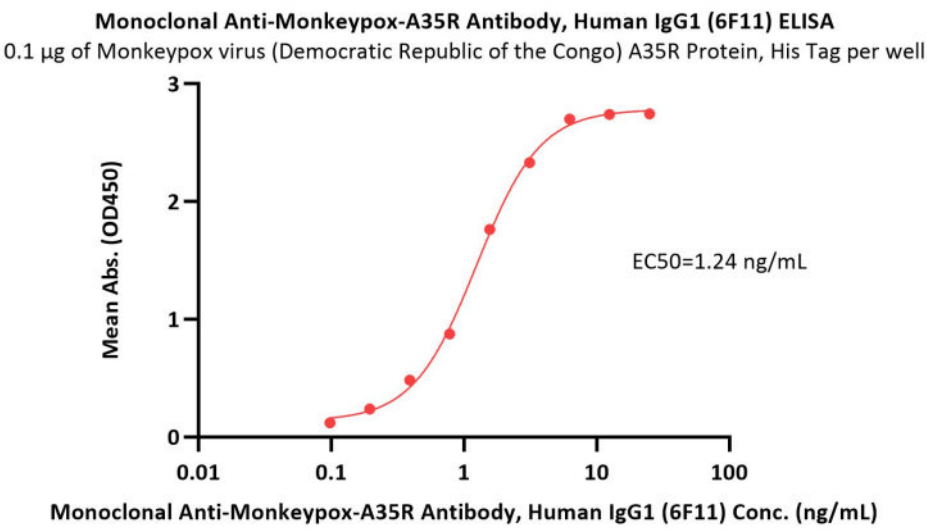
ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Bioactivity-ELISA

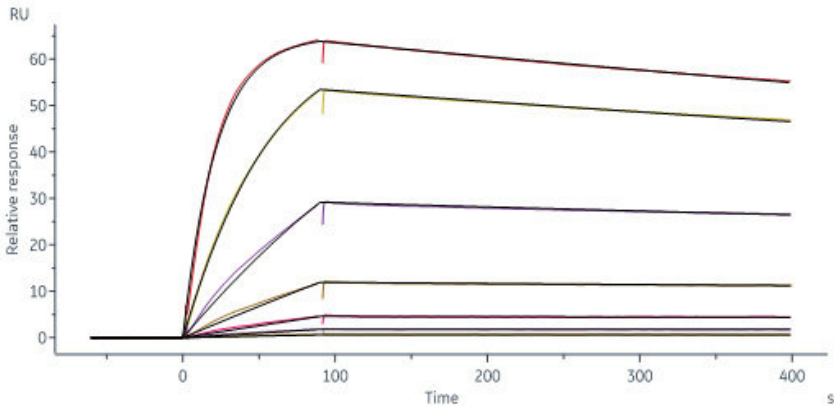


Immobilized Monkeypox virus (strain Zaire-96-I-16) A35R , His Tag (Cat. No. A3R-M52H3) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Monkeypox-A35R Antibody, Human IgG1 (6F11) (Cat. No. A3R-M575) with a linear range of 0.1-2 ng/mL (QC tested).



Immobilized Monkeypox virus (Democratic Republic of the Congo) A35R Protein, His Tag (Cat. No. A3R-M52H4) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Monkeypox-A35R Antibody, Human IgG1 (6F11) (Cat. No. A3R-M575) with a linear range of 0.1-3 ng/mL (Routinely tested).

Bioactivity-SPR



Monoclonal Anti-Monkeypox-A35R Antibody, Human IgG1 (6F11) (Cat. No. A3R-M575) captured on Protein A Chip can bind Monkeypox virus (strain Zaire-96-I-16) A35R , His Tag (Cat. No. A3R-M52H3) with an affinity constant of 0.269 nM as determined in a SPR assay (Biacore 8K) (Routinely 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 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. The envelope glycoprotein A35R on the EV surface has been predicted to influence intercellular diffusion of virions.



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