



Source

Monoclonal Anti-Coxsackievirus A16 (strain G-10) VP0 Antibody, Human IgG1 (14E1) is a chimeric monoclonal antibody recombinantly expressed from HEK293, which combines the variable region of a mouse monoclonal antibody with Human constant domain.

Clone

14E1

Species

Mouse

Isotype

Human IgG1 | Human Kappa

Conjugate

Unconjugated

Antibody Type

Recombinant Monoclonal

Reactivity

Virus

Immunogen

Recombinant Coxsackievirus A16 (strain G-10) VP0 Protein is expressed from human 293 cells.

Specificity

Specifically recognizes Coxsackievirus A16 (strain G-10) VP0 Protein.

Application

Application	Recommended Usage
ELISA	0.1-63 ng/mL

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Purification

Protein A purified/ Protein G purified

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at 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.

SDS-PAGE

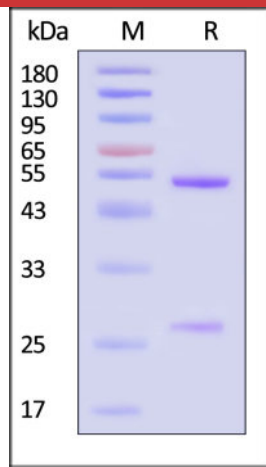
SEC-MALS

Discounts, Gifts,
and more!

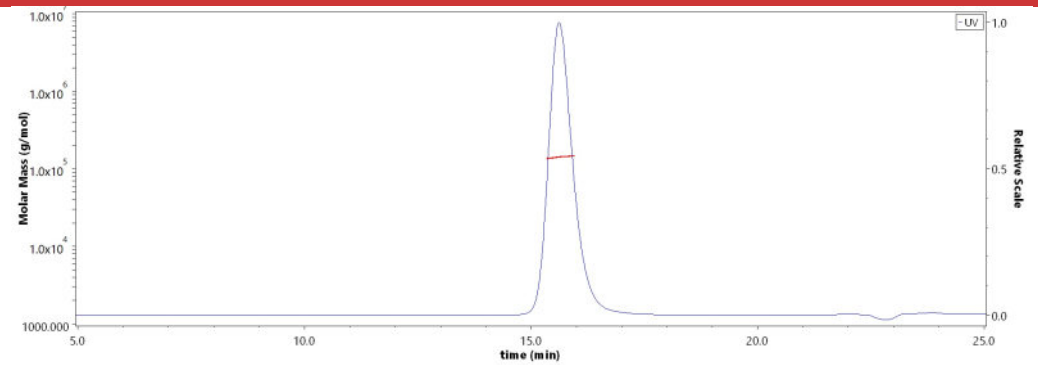


Monoclonal Anti-Coxsackievirus A16 (strain G-10) VP0 Antibody, Human IgG1 (14E1) (MALS verified)

Catalog # VP0-MY2108

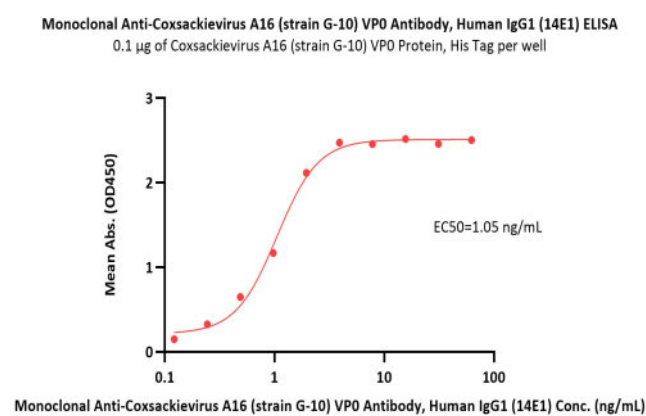


Monoclonal Anti-Coxsackievirus A16 (strain G-10) VP0 Antibody, Human IgG1 (14E1) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).



The purity of Monoclonal Anti-Coxsackievirus A16 (strain G-10) VP0 Antibody, Human IgG1 (14E1) (Cat. No. VP0-MY2108) is more than 90% and the molecular weight of this protein is around 135-165 kDa verified by SEC-MALS. [Report](#)

Bioactivity-ELISA



Immobilized Coxsackievirus A16 (strain G-10) VP0 Protein, His Tag (Cat. No. VP0-C52H3) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Coxsackievirus A16 (strain G-10) VP0 Antibody, Human IgG1 (14E1) (Cat. No. VP0-MY2108) with a linear range of 0.1-4 ng/mL (QC tested).

Background

Cox A16 infection is very common in China, and the pathogenicity of Cox A16 is significantly different from enterovirus 71. Cox A16 can induce the production of a variety of microRNA, which affects the conduction of inflammatory signaling pathway, leading to the occurrence of pathological damage. Cox A16 capsid protein VP1, as an important target protein, interacts with host cell receptors to provide virion attachment to target host cells.

Clinical and Translational Updates

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