

Coxsackieviruses

Coxsackieviruses are enteroviruses in the Picornaviridae family, primarily transmitted through the fecal-oral route. Divided into Group A and Group B, Group A viruses, including **Coxsackievirus A16(CVA16)**, cause flaccid paralysis, while Group B viruses lead to spastic paralysis. CVA16 is a major cause of hand-foot-and-mouth disease(HFMD), posing a significant public health risk in Asia-Pacific regions, with millions of cases annually.

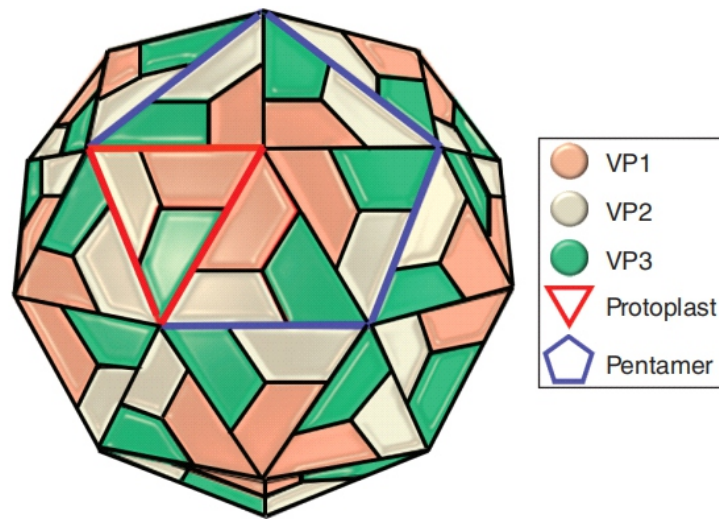


Fig 1. Structure of the coxsackievirus A16 virion

The CVA16 genome is a single-stranded, positive-sense RNA about 7,410 nucleotides long. It encodes **structural proteins(VP1, VP2, VP3, VP4)** and **nonstructural proteins(2A, 2B, 2C, 3A, VPg, 3C, RdRp)**, which are essential for viral replication and infection. Coxsackievirus A16 is a critical target for vaccine development and antiviral research due to its widespread impact.

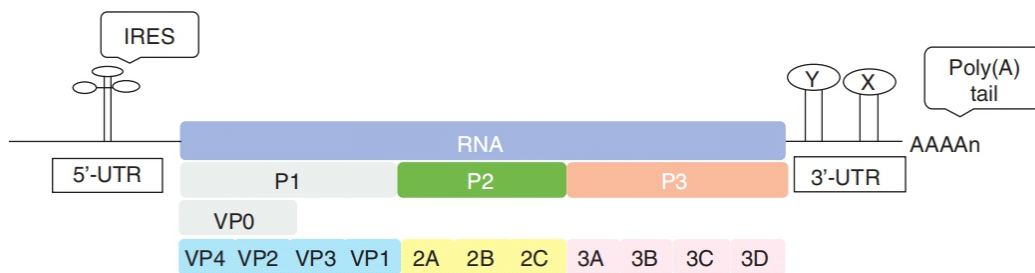


Fig 2. Gene structure of coxsackievirus A16

Protein

| Catalog No. | Product Name |
|-------------|---|
| VK433012 | Recombinant Coxsackievirus A16 VP1 Protein, N-His |
| VK433022 | Recombinant CA16 P2C/Protein 2C Protein, N-His |
| VK433032 | Recombinant CA16 P2A/Protease 2A Protein, N-His |
| VK433042 | Recombinant CA16 VP3/P1C Protein, N-His |
| VK433052 | Recombinant CA16 VP2/P1B Protein, N-His |
| VK433062 | Recombinant CA16 VP4/P1A Protein, N-GST & C-His |
| VK433072 | Recombinant CA16 Protease 3C Protein, N-His |
| VK433082 | Recombinant CA16 VP1/P1D Protein, N-His |
| VK501012 | Recombinant Coxsackievirus A10/CA10 VP1/Capsid protein VP1 Protein, N-His |
| VK501022 | Recombinant CV-A10 VP1/P1D Protein, N-GST/C-His |

Monoclonal Antibody

| Catalog No. | Product Name |
|-------------|--|
| VK581013 | Anti-Coxsackievirus A6/CVA6 VP1/Capsid protein VP1 Antibody (ABS0146) |
| VK433013 | Anti-Coxsackievirus A16/CVA16 Capsid protein/Genome polyprotein Antibody (ABS1213) |
| VK525010 | InVivoMAb Anti-CVA16 mature virion in complex (ABV0104) |
| VK525020 | InVivoMAb Anti-CVA16 mature virion in complex (ABV0087) |
| VK774010 | InVivoMAb Anti-CBV1 mature virion in complex (ABV0142) |
| VK774020 | InVivoMAb Anti-CBV1 Mature virion in complex Antibody (ABV0046) |
| VK774030 | InVivoMAb Anti-CBV1 Mature virion in complex Antibody (ABV0234) |
| VK433023 | Anti-Coxsackievirus A16 Mature Virion/VP1,2,3 Antibody (9D7) |
| VK433033 | Anti-Coxsackievirus A16 Virion protein 1/VP1 Antibody (18A7) |

Polyclonal Antibody

| Catalog No. | Product Name |
|-------------|--|
| VK501014 | Anti-Coxsackievirus A10 VP1/Capsid protein VP1 Polyclonal Antibody |
| VK433014 | Anti-CA16 VP1/P1D Polyclonal Antibody |
| VK433024 | Anti-CA16 P2C/Protein 2C Polyclonal Antibody |
| VK433034 | Anti-CA16 P2A/Protease 2A Polyclonal Antibody |
| VK433044 | Anti-CA16 VP3/P1C Polyclonal Antibody |
| VK433054 | Anti-CA16 VP2/P1B Polyclonal Antibody |
| VK433064 | Anti-CA16 VP4/P1A Polyclonal Antibody |
| VK433074 | Anti-CA16 Protease 3C Polyclonal Antibody |
| VK433084 | Anti-CA16 VP1/P1D Polyclonal Antibody |
| VK501024 | Anti-CA10 VP1/P1D Polyclonal Antibody |

All products are for research use only

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