

AibGenesis™ Mouse Anti-Apple Dimple Fruit Viroid Monoclonal Antibody (CT0233)

Cat. No.: VRS-0324-YT233

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Overview

Clone	CT0233
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Apple Dimple Fruit Viroid

Product Properties

Purity	>95%
Purification	Protein A or G affinity chromatography
Concentration	Lot specific

Packaging, Storage & Formulations

Form	Liquid, please specify if lyophilized powder is required.
Formulation	PBS (pH 7.4) without any preservative, please specify if any additional requirements.
Preservative	Preservative-free, please specify if any additional requirements.
Storage	Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

Applications

Application	ELISA
Application Notes	The antibody is screened by ELISA using the synthetic peptide corresponding to a partial sequence of Apple Dimple Fruit Viroid as the capture antigen. Additional applications have not been validated. It is recommended that the end users validate other

r applications and determine optimal concentrations/dilution under their experimental conditions.

Other Product Details

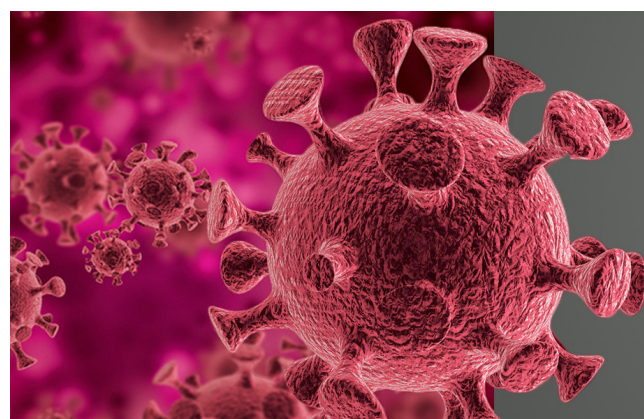
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Single-stranded RNA virus
Virus Family	<i>Pospiviroidae</i>
Virus Genus	<i>Apscaviroid</i>
Species	<i>Apple dimple fruit viroid</i>
Accession number	X994 87
RefSeq number	N C 003463
Virus Abbrev	ADFVd
Virus Name	Apple Dimple Fruit Viroid
Genome Composition	ssRNA

Target

Introduction	Apple Dimple Fruit Viroid (ADFVd) is a small, single-stranded RNA pathogen that infects apple trees and is classified as a viroid. ADFVd is known to cause dimpling symptoms on the fruits of infected apple trees, which can lead to significant economic losses in apple orchards. This viroid is transmitted through vegetative propagation and grafting, and once a tree is infected, there is currently no known cure.
--------------	---



AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.