

AibGenesis™ Mouse Anti-Artichoke Mottled Crinkle Virus Monoclonal Antibody (CT0285)

Cat. No.: VRS-0324-YT285

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

Product Overview

Clone	CT0285
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Artichoke Mottled Crinkle Virus

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 Artichoke Mottled Crinkle Virus as the capture antigen. Additional applications have not been validated. It is recommended that the end users validate

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

Other Product Details

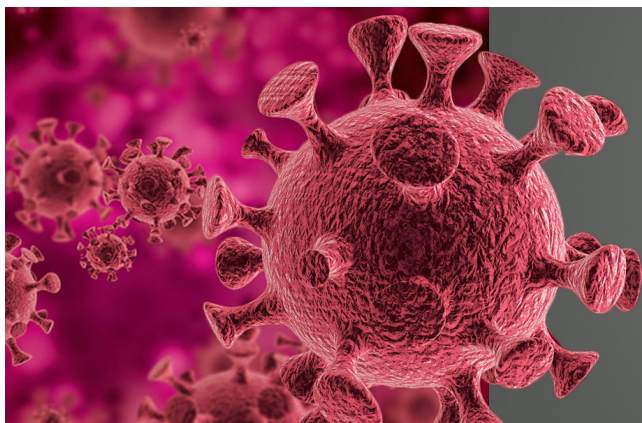
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA
Virus Family	<i>Tombusviridae</i>
Virus Subfamily	<i>Procedovirinae</i>
Virus Genus	<i>Tombusvirus</i>
Species	<i>Tombusvirus cynarae</i>
Accession number	X624_93
RefSeq number	N_C_001339
Virus Abbrev	AMCV
Virus Name	Artichoke Mottled Crinkle Virus
Genome Composition	ssRNA(+)

Target

Introduction	Artichoke Mottled Crinkle Virus (AMCV) is a plant virus that infects artichoke plants (<i>Cynara scolymus</i>). The virus is known to cause mottling, crinkling, and blistering on the leaves of infected plants. AMCV belongs to the family Tombusviridae and is transmitted by aphids in a non-persistent manner. Symptoms of infection can include yellowing of leaves, stunting of plant growth, and deformation of the affected tissue. Management strategies for AMCV include the use of virus-free planting material, controlling aphid populations, and practicing good crop hygiene to prevent the spread of the virus.
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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.