

AibGenesis™ Mouse Anti-Mimosa Yellow Leaf Curl Virus Monoclonal Antibody (CT0990)

Cat. No.: VRS-0324-YT990

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

Product Overview

Clone	CT0990
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Mimosa Yellow Leaf Curl 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 Mimosa Yellow Leaf Curl 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

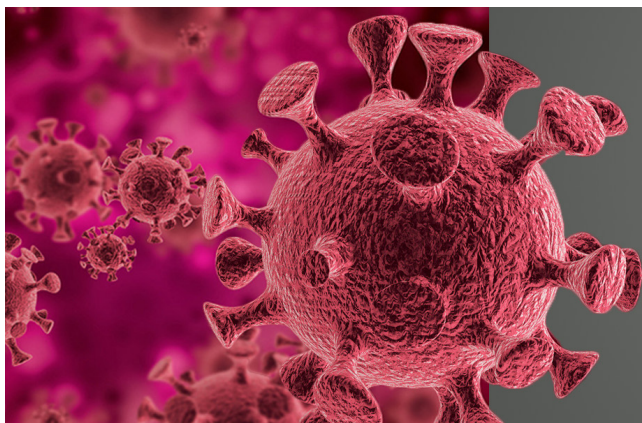
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Single-stranded DNA virus
Virus Family	<i>Geminiviridae</i>
Virus Genus	<i>Begomovirus</i>
Species	<i>Mimosa yellow leaf curl virus</i>
Accession number	DNA-A: DQ 641695
RefSeq number	DNA-A: N C 009546
Virus Abbrev	MiYLCV
Virus Name	Mimosa Yellow Leaf Curl Virus
Genome Composition	ssDNA

Target

Introduction	Mimosa Yellow Leaf Curl Virus is a plant pathogenic virus belonging to the Begomovirus genus in the Geminiviridae family. It is a DNA virus that is primarily propagated by whiteflies, and specifically affects the Mimosa plant, causing yellow, curled leaves that can lead to the stunted growth and even death of the plant. This virus is significant in many parts of the world where Mimosa grows, causing major losses for nurseries and home gardeners. The virus has a broad host range and can cause diseases in numerous crops. The most effective management strategy includes the use of resistant varieties, vector control, and the elimination of alternative host plants.
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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.