

AibGenesis™ Mouse Anti-Papaya Severe Leaf Curl Virus 1 Monoclonal Antibody (CT1057)

Cat. No.: VRS-0324-YT1057

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

Product Overview

Clone	CT1057
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Papaya Severe Leaf Curl Virus 1

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 Papaya Severe Leaf Curl Virus 1 as the capture antigen. Additional applications have not been validated. It is recommended that the end users validate

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

Other Product Details

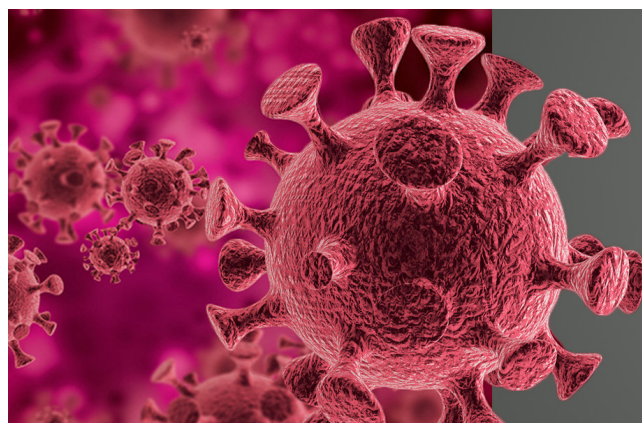
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Single-stranded positive-sense DNA virus
Virus Family	<i>Geminiviridae</i>
Virus Genus	<i>Begomovirus</i>
Species	<i>Papaya severe leaf curl virus 1</i>
Accession number	MH_988457
Virus Abbrev	PaSLCV1
Virus Name	Papaya Severe Leaf Curl Virus 1
Genome Composition	ssDNA(+)

Target

Introduction	Papaya Severe Leaf Curl Virus 1 (PaSLCV-1) is a virus that primarily infects papaya plants, causing severe leaf curling, stunting of growth, and yellowing of leaves. The virus is transmitted through infected plant material, such as seeds or sap, as well as by insect vectors such as whiteflies. Papaya plants infected with PaSLCV-1 may experience reduced fruit production and overall decline in health.
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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.