

AibGenesis™ Mouse Anti-Cacao Swollen Shoot Virus Polyprotein Monoclonal Antibody

Cat. No.: VRS-0124-YT4149

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

Product Overview

Target	Polyprotein
Specificity	This antibody is specific for Polyprotein of Cacao swollen shoot virus.
Clone	TF1142
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Cacao swollen shoot virus

Product Properties

Immunogen	Synthetic peptide corresponding to partial sequence of Polyprotein.
Purity	>95%

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.

Applications

Application	ELISA
Application Notes	The antibody is screened by ELISA using the synthetic peptide that corresponds to a partial sequence of Cacao swollen shoot virus Polyprotein as the capture antigen. Additional applications have not been validated. It is recommended that the end use

rs 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	Retro-transcribing Virus
Virus Name	Cacao swollen shoot virus
Virus Alternatives Names	Cacao swollen shoot virus; CSSV
Genome Composition	Retro-transcribing Virus

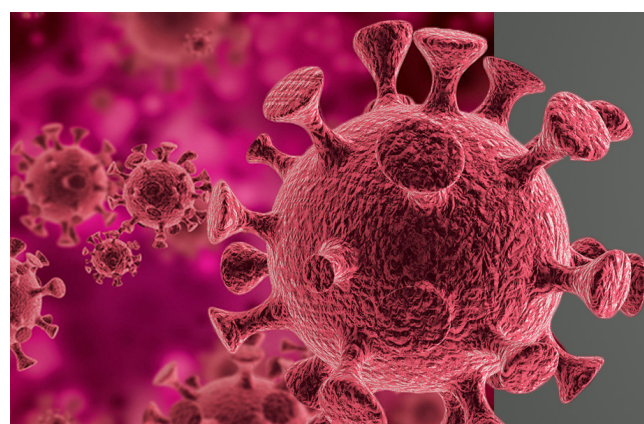
Target

Introduction	Cacao swollen shoot virus is a member of the genus Badnavirus, family Caulimoviridae with a circular, double-stranded DNA genome 7.0-9.2 kilobase pairs (kbp) in size. CSSV is naturally transmitted to cacao (<i>Theobroma cacao</i>) in a semipersistent manner by several mealybug species and associated with cacao swollen shoot disease (CSSD).
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Target Alternative Names	CSSVgp3, Polyprotein
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Gene ID	1496970
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UniProt ID	Q66235
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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.