

AibGenesis™ Mouse Anti-Pleioblastus Mosaic Virus Monoclonal Antibody (CT1135)

Cat. No.: VRS-0324-YT1135

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

Product Overview

Clone	CT1135
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Pleioblastus Mosaic 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 Pleioblastus Mosaic Virus 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

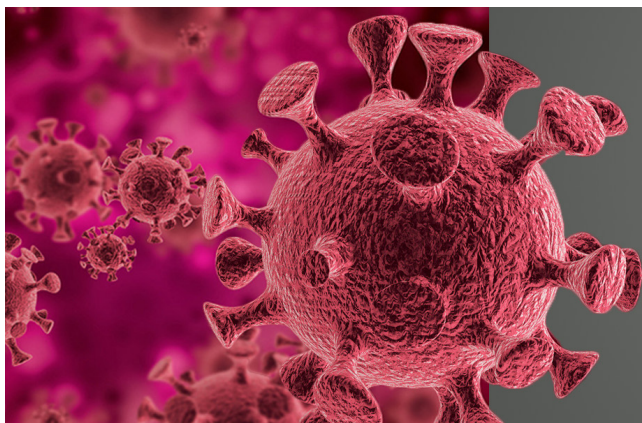
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA
Virus Family	<i>Potyviridae</i>
Virus Genus	<i>Potyvirus</i>
Species	<i>Potyvirus pleioblasti</i>
Accession number	LC 573287
Virus Abbrev	PleMV
Virus Name	Pleioblastus Mosaic Virus
Genome Composition	ssRNA(+)

Target

Introduction	Pleioblastus Mosaic Virus (PIMV) is a plant virus belonging to the Potyvirus genus, Potyviridae family. This virus primarily infects bamboo plants, particularly Pleioblastus species. PIMV is known to cause mosaic symptoms on bamboo leaves, characterized by light and dark green mottling patterns or streaks, which may eventually lead to a decline in plant health, reduced growth, and yield loss. PIMV is transmitted through vectors like aphids and mechanical means, including contaminated tools or infected plant material. Management strategies for PIMV involve the use of virus-free planting material, practicing good sanitation methods, and controlling aphid populations 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.