

AibGenesis™ Mouse Anti-Petunia Asteroid Mosaic Virus Monoclonal Antibody (CT5124)

Cat. No.: VRS-0724-YT1166

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

Product Overview

Clone	CT5124
Host Species	Mouse
Antibody Isotype	IgG

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 that corresponds to a partial sequence of Petunia Asteroid Mosaic 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

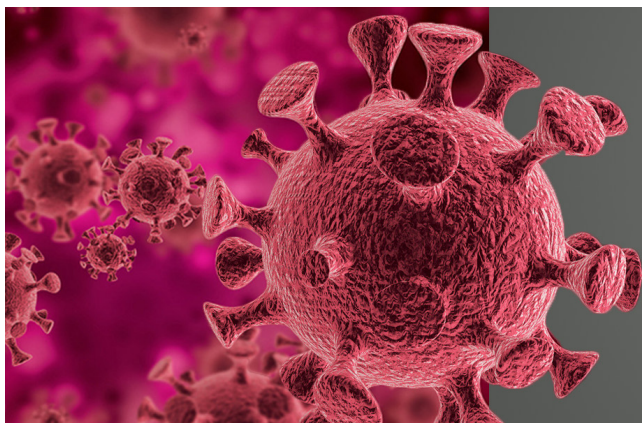
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

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 petuniae</i>
Accession number	AY 500881 ;
RefSeq number	N C_038692 ;
Virus Abbrev	PAMV
Virus Name	Petunia Asteroid Mosaic Virus
Genome Composition	ssRNA(+)

Target

Introduction	Petunia Asteroid Mosaic Virus is a plant virus that belongs to the Tombusvirus genus. It infects petunia plants and is known for causing mosaic symptoms, yellowing, and mottling on the leaves. The virus is primarily transmitted through mechanical means such as infected plant debris, contaminated tools, and handling practices. Once inside the host plant, it replicates and spreads through the plant's vascular system. Petunia Asteroid Mosaic Virus is a concern for petunia growers as it can lead to reduced plant growth, flower deformation, and overall decline in plant health. Management of this virus involves practices like using clean planting material, regular monitoring for symptoms, and rogueing out infected plants to prevent further spread.
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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.