

AibGenesis™ Mouse Anti-Pavonia Mosaic Virus Monoclonal Antibody (CT1131)

Cat. No.: VRS-0324-YT1131

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

Product Overview

Clone	CT1131
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Pavonia 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 Pavonia Mosaic Virus as the capture antigen. Additional applications have not been validated. It is recommended that the end users validate other a

pplications and determine optimal concentrations/dilution under their experimental conditions.

Other Product Details

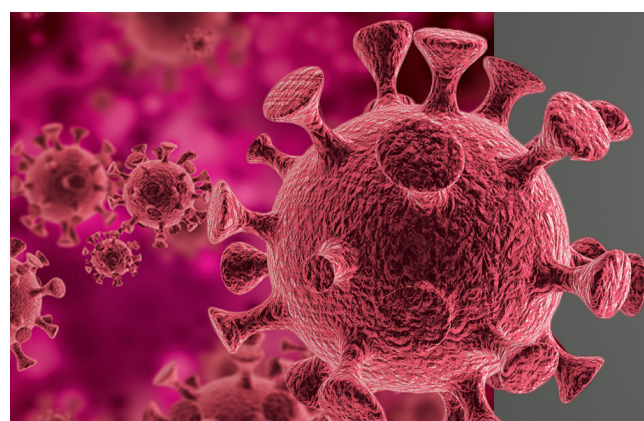
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Single-stranded DNA virus
Virus Family	<i>Geminiviridae</i>
Virus Genus	<i>Begomovirus</i>
Species	<i>Pavonia mosaic virus</i>
Accession number	DNA-A: KT 948785 ; DNA-B: KT 948786
RefSeq number	DNA-A: N C 038981 ; DNA-B: N C 040185
Virus Abbrev	PavMV
Virus Name	Pavonia Mosaic Virus
Genome Composition	ssDNA

Target

Introduction	Pavonia Mosaic Virus is a plant virus belonging to the Begomovirus genus in the Geminiviridae family. This virus primarily infects various plant species, causing mosaic symptoms in susceptible hosts. The virus is transmitted by whiteflies, which act as vectors, spreading the virus from plant to plant. Pavonia Mosaic Virus can lead to significant economic losses in crops as it affects the growth and development of infected plants, leading to reduced yield and quality.
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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.