

AibGenesis™ Mouse Anti-Beet Pseudoyellows Virus P59 Monoclonal Antibody

Cat. No.: VRS-0124-YT3181

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

Product Overview

Target	P59
Specificity	This antibody is specific for P59 of Beet pseudoyellows virus.
Clone	TF0393
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Beet pseudoyellows virus

Product Properties

Immunogen	Synthetic peptide corresponding to partial sequence of P59.
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 Beet pseudoyellows virus P59 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

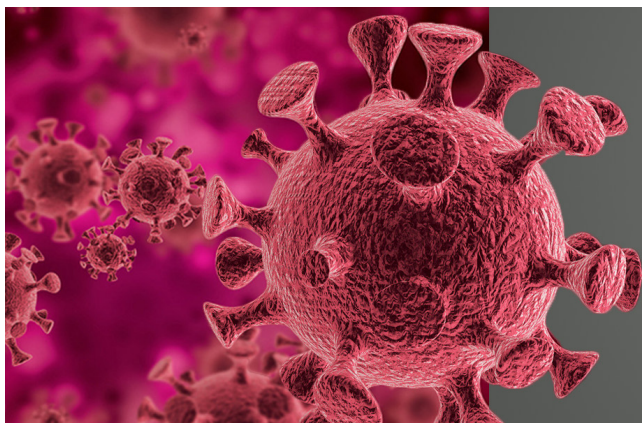
Virus Classification	Positive-sense single-stranded RNA Virus
Virus Family	<i>Closteroviridae</i>
Virus Genus	<i>Crinivirus</i>
Species	<i>Beet pseudoyellows virus</i>
Accession number	RNA1: AY 330918 ; RNA2: AY 330919
RefSeq number	RNA1: N C 005209 ; RNA2: N C 005210
Virus Name	Beet pseudoyellows virus
Virus Alternatives Names	Beet pseudoyellows virus; BPYV
Genome Composition	ssRNA(+)

Target

Introduction

The virus was first recognised by James E. Duffus of the United States Department of Agriculture, and reported in 1975 under the title 'A new type of whitefly-transmitted disease a link to the aphid-transmitted viruses'. Beet (*Beta vulgaris*) in a research greenhouse unexpectedly presented symptoms characteristic of the aphid-vector virus Beet yellows virus, despite no aphids being present. Instead, greenhouse whiteflies (*Trialeurodes vaporariorum*) were present and determined to be the vector. The presumed new species of virus was designated 'Beet pseudo-yellows virus' (note the hyphen, omitted in the currently accepted name). Further investigation revealed the virus typically causes stunting, interveinal yellowing, and/or chlorotic spotting in its hosts, and that at least an additional 36 species of plants from various families are susceptible to infection.

Target Alternative Names	BPYVs2_gp4, p59
Gene ID	2650873
UniProt ID	Q6VRA3



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.