

AibGenesis™ Mouse Anti-Impatiens Flower Break Virus Monoclonal Antibody (CT0845)

Cat. No.: VRS-0324-YT845

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

Product Overview

Clone	CT0845
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Impatiens Flower Break 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 Impatiens Flower Break 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

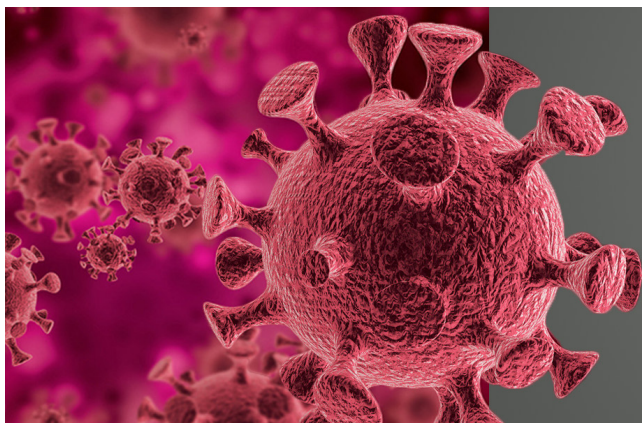
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA
Virus Family	<i>Potyviridae</i>
Virus Genus	<i>Potyvirus</i>
Species	<i>Impatiens flower break virus</i>
Accession number	KU 981084
RefSeq number	N C_030236
Virus Abbrev	IFBV
Virus Name	Impatiens Flower Break Virus
Genome Composition	ssRNA(+)

Target

Introduction	Impatiens Flower Break Virus (IFBV) is a notable member of the Carlavirus genus in the Betaflexiviridae family, known for its impact on plants within the Impatiens genus. This virus causes symptoms in infected plants such as mottling of leaves, chlorosis, and distinct dark purple or brown streaks on the foliage, often leading to stunted growth and deformed flowers. IFBV is primarily spread through vegetative propagation methods like cuttings and can also be transmitted by insect vectors, notably aphids in a non-persistent manner. Once a plant is infected, there is no known cure.
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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.