

AibGenesis™ Mouse Anti-Imperata Yellow Mottle Virus Monoclonal Antibody (CT0846)

Cat. No.: VRS-0324-YT846

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

Product Overview

Clone	CT0846
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Imperata Yellow Mottle 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 Imperata Yellow Mottle 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

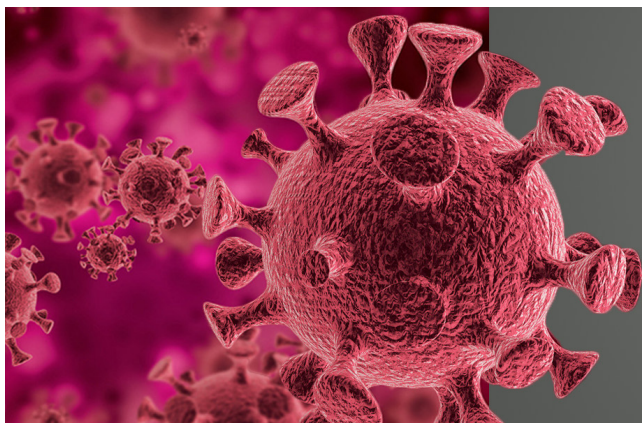
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA
Virus Family	<i>Solemoviridae</i>
Virus Genus	<i>Sobemovirus</i>
Species	<i>Imperata yellow mottle virus</i>
Accession number	AM 990928
RefSeq number	N C 011536
Virus Abbrev	IYMV
Virus Name	Imperata Yellow Mottle Virus
Genome Composition	ssRNA(+)

Target

Introduction	Imperata yellow mottle virus (IYMV) is a plant virus belonging to the family Solemoviridae. This virus infects and causes diseases in grass species, particularly in Imperata cylindrica, commonly known as cogongrass. It is primarily transmitted through insect vectors, particularly leafhoppers, which spread the virus as they feed on infected plants. The symptoms of IYMV infection include yellow mottling or streaking of the leaves, stunted growth, and reduced yield in infected plants. The virus affects the chlorophyll content in the leaves, disrupting photosynthesis and overall plant health.
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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.