

AibGenesis™ Mouse Anti-Galinsoga Mosaic Virus Monoclonal Antibody (CT4444)

Cat. No.: VRS-0724-YT486

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

Product Overview

Clone	CT4444
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 Galinsoga 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

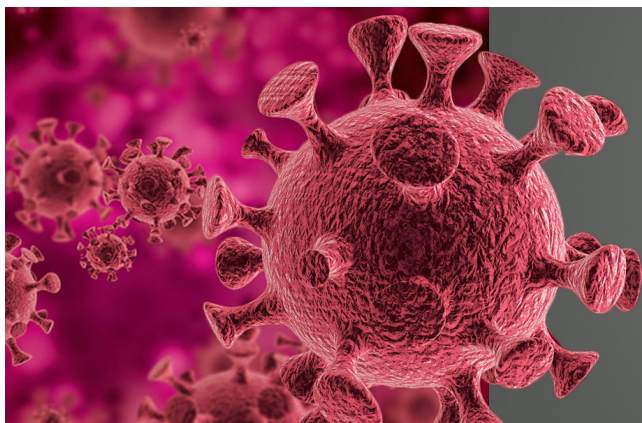
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA
Virus Family	<i>Tombusviridae</i>
Virus Subfamily	<i>Procedovirinae</i>
Virus Genus	<i>Gallantivirus</i>
Species	<i>Gallantivirus galinsogae</i>
Accession number	Y134_63 ;
RefSeq number	NC_001818 ;
Virus Abbrev	GaMV
Virus Name	Galinsoga Mosaic Virus
Genome Composition	ssRNA(+)

Target

Introduction	Galinsoga Mosaic Virus, classified within the Gallantivirus genus of the Tombusviridae family, is a plant virus that primarily infects Galinsoga parviflora, a weed species commonly found in various regions. This virus is known to cause mosaic symptoms on its host plants, including Galinsoga parviflora, which can negatively impact their growth and overall health. The virus likely spreads through infected plant material or by vectors such as aphids or whiteflies, which transmit the virus as they feed on plant sap. Once a plant is infected, it may exhibit mosaic patterns on its leaves, yellowing, vein distortion, stunted growth, and overall reduced vigor. These symptoms can contribute to economic losses in agriculture, mainly due to decreased crop 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.