

AibGenesis™ Mouse Anti-Homalodisca Coagulata Virus 1 Monoclonal Antibody (CT4631)

Cat. No.: VRS-0724-YT673

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

Product Overview

Clone	CT4631
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 Homalodisca Coagulata Virus 1 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

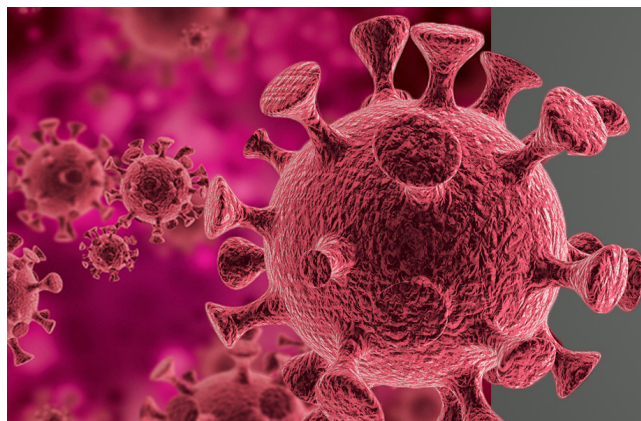
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA
Virus Family	<i>Dicistroviridae</i>
Virus Genus	<i>Triatovirus</i>
Species	<i>Triatovirus hocoagulatae</i>
Accession number	DQ 288865 ;
RefSeq number	N C 008029 ;
Virus Abbrev	HoCV1
Virus Name	Homalodisca Coagulata Virus 1
Genome Composition	ssRNA(+)

Target

Introduction	Homalodisca coagulata virus-1 (HoCV-1) is a virus belonging to the Triatovirus genus in the family Dicistroviridae. It has a positive-sense single-stranded RNA genome. HoCV-1 has been identified in the glassy-winged sharpshooter insect, Homalodisca coagulata, which serves as a vector for the transmission of the virus. Infection by HoCV-1 in glassy-winged sharpshooters can impact their physiology and possibly influence their vector competence. Research suggests that the virus may have implications for the transmission of Xylella fastidiosa, a plant pathogen causing diseases in various agricultural crops.
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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.