

AibGenesis™ Mouse Anti-Tilapia Lake Virus Monoclonal Antibody (CT5666)

Cat. No.: VRS-0724-YT1708

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

Product Overview

Clone	CT5666
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 Tilapia Lake 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

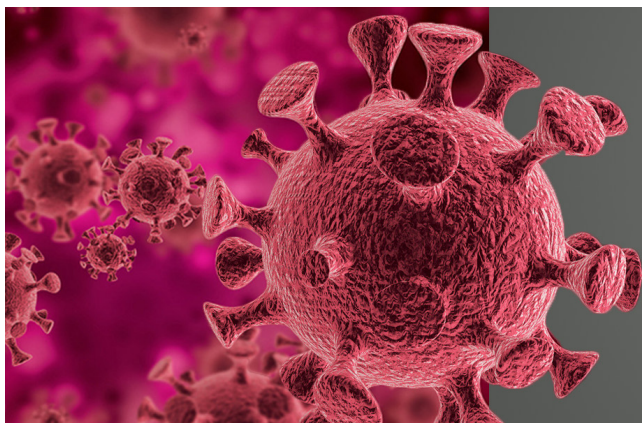
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Negative-sense single-stranded RNA
Virus Family	<i>Amnoonviridae</i>
Virus Genus	<i>Tilapinevirus</i>
Species	<i>Tilapinevirus tilapiae</i>
Accession number	RN A1: KU751814 ; RN A2: KU751815 ; RN A3: KU751816 ; RN A4: KU751817 ; RN A5: KU751818 ; RN A6: KU751819 ; RN A7: KU751820 ; RN A8: KU751821 ; RN A9: KU751822 ; RN A10: KU751823 ;
RefSeq number	R NA1: NC_029926 ; R NA2: NC_029921 ; R NA3: NC_029927 ; R NA4: NC_029922 ; R NA5: NC_029923 ; R NA6: NC_029928 ; R NA7: NC_029924 ; R NA8: NC_029929 ; R NA9: NC_029925 ; R NA10: NC_029930 ;
Virus Abbrev	TiLV
Virus Name	Tilapia Lake Virus
Genome Composition	ssRNA(-)

Target

Introduction	Tilapia Lake Virus (TiLV) is a member of the Tilapinevirus genus in the family Amnoonviridae. This virus contains a single-stranded RNA genome and primarily infects tilapia fish species. TiLV is transmitted horizontally through direct contact with infected fish or contaminated water, and vertically from infected parents to offspring. Infection with TiLV can result in a range of clinical symptoms in tilapia, including lethargy, loss of appetite, and skin discoloration. Severe cases can lead to high mortality rates, particularly in young fish. There is currently no specific treatment for TiLV, so prevention through biosecurity measures is crucial in controlling its spread.
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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.