

AibGenesis™ Mouse Anti-Lates Calcarifer Encephalitis Virus Monoclonal Antibody (CT4755)

Cat. No.: VRS-0724-YT797

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

Product Overview

Clone	CT4755
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 Lates Calcarifer Encephalitis 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

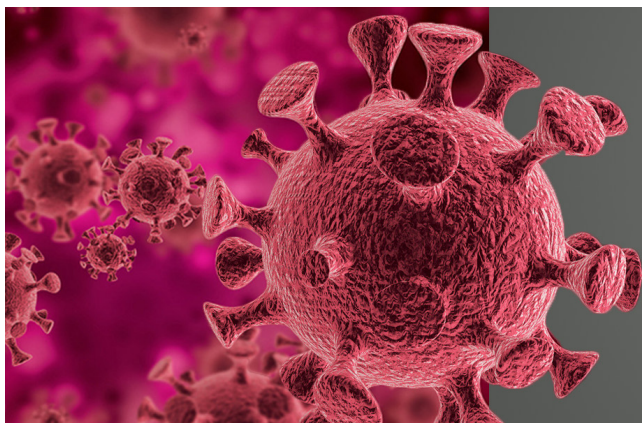
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA
Virus Family	<i>Nodaviridae</i>
Virus Genus	<i>Betanodavirus</i>
Species	<i>Redspotted grouper nervous necrosis virus</i>
Accession number	RN A2: EF591371 ;
Virus Abbrev	LcEV
Virus Name	Lates Calcarifer Encephalitis Virus
Genome Composition	ssRNA(+)

Target

Introduction	The Lates Calcarifer Encephalitis Virus (LCEV) is a type of betanodavirus found in the family Nodaviridae which affects the Asian sea bass, also known as Lates calcarifer. The virus has a bipartite positive-sense single-stranded RNA genome, with two segments encoding the RNA 1 and RNA 2 that are required for viral replication. The LCEV primarily targets the central nervous system of the Asian sea bass, causing severe encephalitis and neurological symptoms such as erratic swimming, spiral swimming, and darkening of the skin. The virus is transmitted horizontally through waterborne routes and vertically from broodstock to offspring.
--------------	--



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.