

AibGenesis™ Mouse Anti-Thorarchaeia Virus VerdaV2 Monoclonal Antibody (CT5657)

Cat. No.: VRS-0724-YT1699

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

Product Overview

Clone	CT5657
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 Thorarchaeia Virus VerdaV2 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

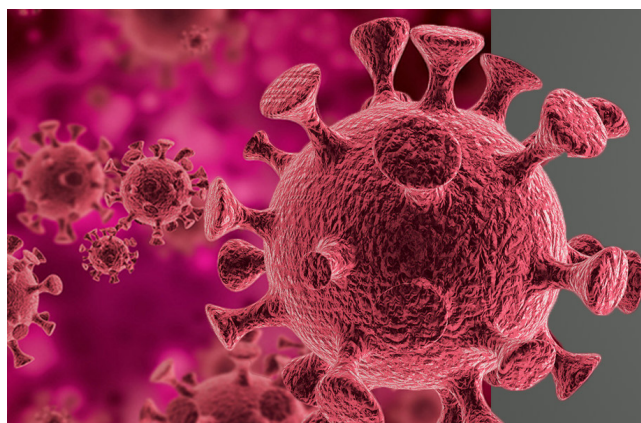
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Double-stranded DNA virus
Virus Family	<i>Verdandiviridae</i>
Virus Genus	<i>Tonitrusvirus</i>
Species	<i>Tonitrusvirus shimokitaense</i>
Accession number	LC 711078 ;
Virus Abbrev	VerdaV2
Virus Name	Thorarchaeia Virus VerdaV2
Genome Composition	dsDNA

Target

Introduction	Thorarchaeia Virus Verdav2 belongs to the Tonitrusvirus genus in the family Verdan diviridae and infects organisms of the domain Archaea, specifically targeting the Thorarchaeota phylum. This virus has a double-stranded DNA genome with unique protein structures that enable it to infect its host cells. Transmission of Thorarchaeia Virus Verdav2 likely occurs through close contact between infected and uninfected Archaea cells. The impact of Thorarchaeia Virus Verdav2 on its host is not yet fully understood, but it is believed to influence the ecological dynamics of microbial communities in which Thorarchaeota are present. Research is ongoing to determine if this virus causes any diseases or virulence in its host organisms.
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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.