

AibGenesis™ Mouse Anti-Thogoto Virus Monoclonal Antibody (CT5656)

Cat. No.: VRS-0724-YT1698

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

Product Overview

Clone	CT5656
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 Thogoto 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

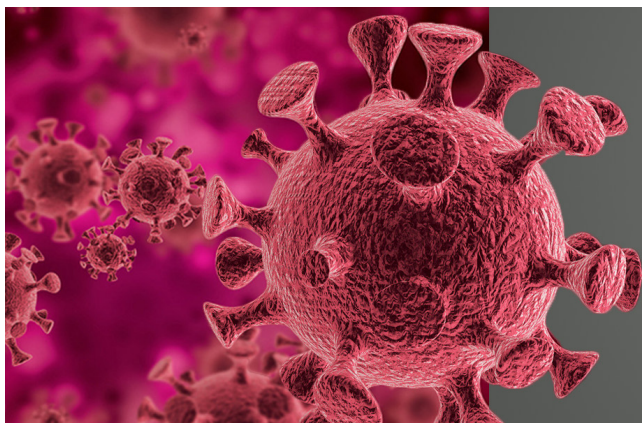
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Negative-sense single-stranded RNA
Virus Family	<i>Orthomyxoviridae</i>
Virus Genus	<i>Thogotovirus</i>
Species	<i>Thogotovirus thogotoense</i>
Accession number	RNA1 : Y17873 ; RN A2: AF004985 ; RN A3: AF006073 ; RNA4 : M77280 ; RNA5 : X96872 ; RN A6: AF527531 ;
RefSeq number	R NA1: NC_006508 ; R NA2: NC_006495 ; R NA3: NC_006496 ; R NA4: NC_006506 ; R NA5: NC_006507 ; R NA6: NC_006504 ;
Virus Abbrev	TV
Virus Name	Thogoto Virus
Genome Composition	ssRNA(-)

Target

Introduction	Thogoto virus is a member of the Thogotovirus genus in the family Orthomyxoviridae. It is a tick-borne virus that primarily infects animals but can also infect humans. The genome of Thogoto virus is composed of single-stranded RNA, with a segmented genome. Thogoto virus is transmitted primarily through the bite of infected ticks, specifically the <i>Rhipicephalus decoloratus</i> and <i>Rhipicephalus appendiculatus</i> species. These ticks act as vectors and reservoirs for the virus, facilitating its transmission between animals and potentially to humans. In animals, Thogoto virus can cause fever, decreased appetite, and in severe cases, neurological symptoms. In humans, infections are rare but can lead to symptoms such as fever, headache, and muscle pain.
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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.