

AibGenesis™ Mouse Anti-Lena Virus Monoclonal Antibody (CT4761)

Cat. No.: VRS-0724-YT803

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

Product Overview

Clone	CT4761
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 Lena 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

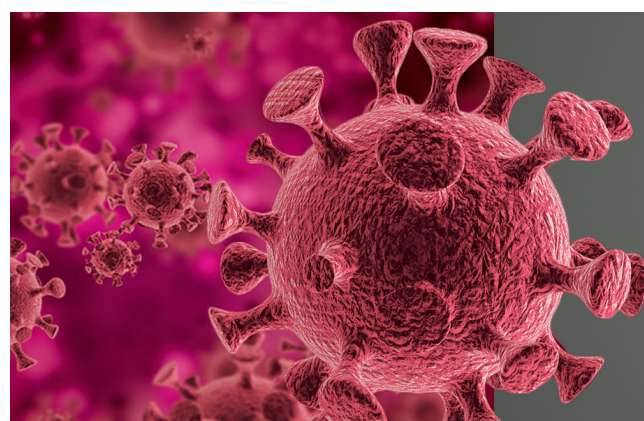
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Negative-sense single-stranded RNA
Virus Family	<i>Hantaviridae</i>
Virus Subfamily	<i>Mammantavirinae</i>
Virus Genus	<i>Mobatvirus</i>
Species	<i>Mobatvirus lenaense</i>
Accession number	L: MH499472 ; M: MH499471 ; S: MH499470 ;
Virus Abbrev	LENV
Virus Name	Lena Virus
Genome Composition	ssRNA(-)

Target

Introduction	The Lena Virus, species <i>Mobatvirus lenaense</i>, is a member of the Hantaviridae family commonly found in rodents. This virus is predominantly present in the Eurasian continent, particularly in regions where its primary host, the yellow-necked mouse (<i>Apodemus flavicollis</i>), resides. The genome of Lena Virus consists of three single-stranded RNA segments: small (S), medium (M), and large (L), which encode for nucleoprotein, glycoproteins, and RNA-dependent RNA polymerase, respectively. Lena Virus is primarily transmitted to humans through inhalation of aerosolized rodent excreta or saliva, causing a zoonotic disease known as hantavirus pulmonary syndrome. Symptoms of infection include fever, muscle aches, coughing, and potentially progressing to severe respiratory distress.
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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.