

AibGenesis™ Mouse Anti-Saccharomyces Cerevisiae Virus L-BC (La) Monoclonal Antibody (CT5392)

Cat. No.: VRS-0724-YT1434

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

Product Overview

Clone	CT5392
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 Saccharomyces Cerevisiae Virus L-Bc (La) as the capture antigen. Additional applications have not been validated. It is recommended that the en

d users validate other applications and determine optimal concentrations/dilution under their experimental conditions.

Other Product Details

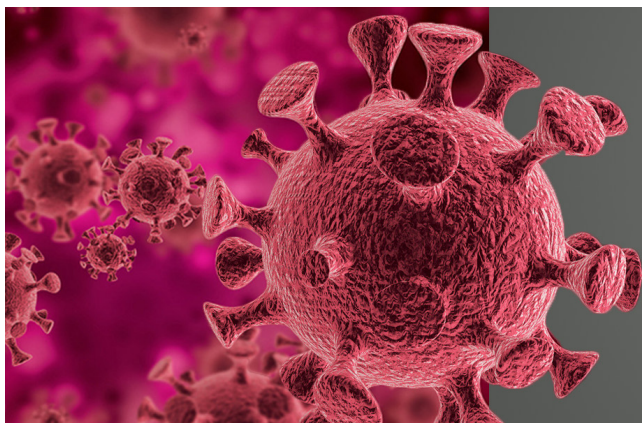
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Double-stranded RNA virus
Virus Family	<i>Totiviridae</i>
Virus Genus	<i>Totivirus</i>
Species	<i>Saccharomyces cerevisiae virus LBCLa</i>
Accession number	U010 60 ;
RefSeq number	N C 001641 ;
Virus Abbrev	ScVLBC
Virus Name	Saccharomyces Cerevisiae Virus L-BC (La)
Genome Composition	dsRNA

Target

Introduction	Saccharomyces cerevisiae Virus L-A and Saccharomyces cerevisiae Virus L-Bc (La) are dsRNA viruses that infect the yeast Saccharomyces cerevisiae. These viruses belong to the Totivirus genus in the family Totiviridae. Saccharomyces cerevisiae Virus L-A has a linear genome encoding two open reading frames (ORFs) that produce a capsid protein (Gag) and an RNA-dependent RNA polymerase. It is commonly transmitted horizontally during cell mating. In contrast, the Saccharomyces cerevisiae Virus L-Bc (La) genome also has two ORFs but is monocistronic, encoding a single protein that produces both the capsid and polymerase. Transmission of Saccharomyces cerevisiae Virus L-Bc is via cytoplasmic mixing and does not require mating. Infections with these viruses in yeast are usually asymptomatic but can affect certain yeast strains, impacting their growth and fermentation processes.
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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.