

AibGenesis™ Mouse Anti-South Bay Virus Monoclonal Antibody (CT5532)

Cat. No.: VRS-0724-YT1574

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

Product Overview

Clone	CT5532
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 South Bay 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

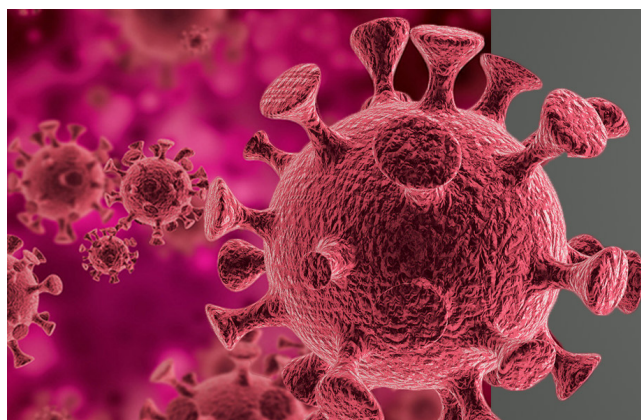
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Negative-sense single-stranded RNA
Virus Family	<i>Nairoviridae</i>
Virus Genus	<i>Sabavirus</i>
Species	<i>Sabavirus americanum</i>
Accession number	L: KJ746877 ; S: KJ746878 ;
Virus Abbrev	SBV
Virus Name	South Bay Virus
Genome Composition	ssRNA(-)

Target

Introduction	Blattodean Nairo-Related Virus 321 (BNRV-321) is a virus in the Ocetevirus genus of the family Nairoviridae. It is characterized by a segmented negative-strand RNA genome. The protein composition of BNRV-321 includes various structural and non-structural proteins essential for its replication and infectious cycles. BNRV-321 is believed to be transmitted primarily through arthropod vectors, specifically ticks, which act as natural reservoirs for the virus. Its main host is suspected to be cockroaches (blattodeans), although more research is needed to confirm this. The virus has not been definitively associated with specific diseases in humans or animals.
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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.