

AibGenesis™ Mouse Anti-Swinepox Virus Monoclonal Antibody (CT5621)

Cat. No.: VRS-0724-YT1663

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

Product Overview

Clone	CT5621
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 Swinepox 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

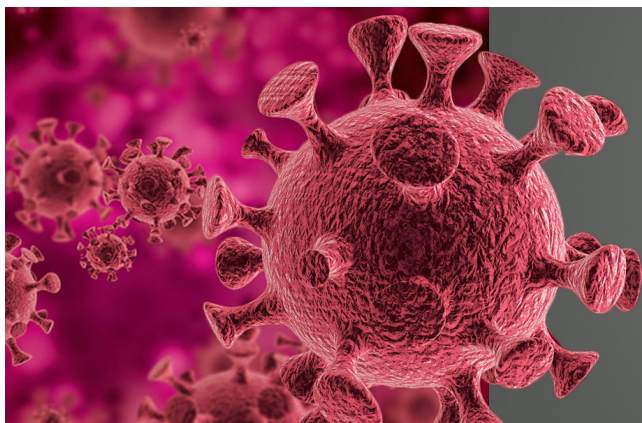
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Double-stranded DNA virus
Virus Family	<i>Poxviridae</i>
Virus Subfamily	<i>Chordopoxvirinae</i>
Virus Genus	<i>Suipoxvirus</i>
Species	<i>Swinepox virus</i>
Accession number	AF 410153 ;
RefSeq number	N C_003389 ;
Virus Abbrev	SWPV
Virus Name	Swinepox Virus
Genome Composition	dsDNA

Target

Introduction	Swinepox virus is a member of the Suipoxvirus genus in the Poxviridae family and primarily affects pigs, particularly domestic swine. The virus has a linear double-stranded DNA genome that encodes various proteins necessary for viral replication and assembly. Swinepox virus is primarily transmitted through direct contact between infected and susceptible pigs or through fomites. Infection in pigs typically presents as skin lesions, papules, pustules, or vesicles. Swinepox virus is generally mildly pathogenic in swine and does not typically cause severe disease. The lesions can resolve on their own without specific treatment, although supportive care may be provided to affected 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.