

AibGenesis™ Mouse Anti-Canis Lupus Polyomavirus 1 Monoclonal Antibody (CT4066)

Cat. No.: VRS-0724-YT108

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

Product Overview

Clone	CT4066
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 Canis Lupus Polyomavirus 1 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

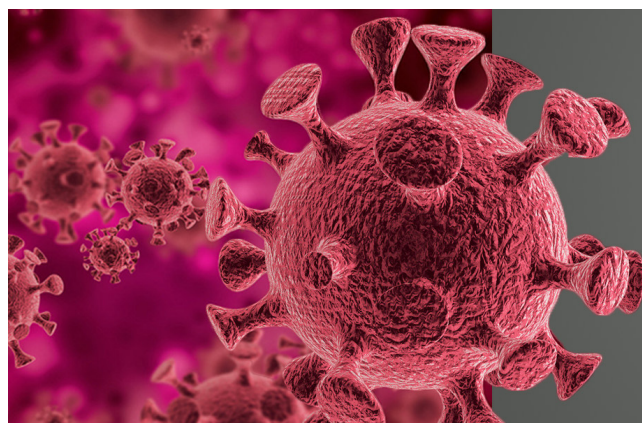
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Double-stranded DNA virus
Virus Family	<i>Polyomaviridae</i>
Virus Genus	<i>Deltapolyomavirus</i>
Species	<i>Deltapolyomavirus canis</i>
Accession number	MG 701355 ;
RefSeq number	N C 055559 ;
Virus Abbrev	ClupPyV1
Virus Name	Canis Lupus Polyomavirus 1
Genome Composition	dsDNA

Target

Introduction	Canis Lupus Polyomavirus 1 (CLPyV1) is a virus belonging to the Deltapolyomavirus genus in the family Polyomaviridae. The genome of CLPyV1 consists of circular double-stranded DNA. CLPyV1 specifically infects wolves (<i>Canis lupus</i>) and is believed to be transmitted among them through close contact and possibly respiratory secretions. While the exact pathogenicity and disease spectrum of CLPyV1 are still being investigated, polyomaviruses are known to cause a range of diseases in animals, including respiratory, urinary, and neurological conditions. In <i>Canis lupus</i>, CLPyV1 might potentially manifest with symptoms affecting these systems.
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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.