

AibGenesis™ Mouse Anti-Bovine Parvovirus 3 Monoclonal Antibody (CT4036)

Cat. No.: VRS-0724-YT78

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

Product Overview

Clone	CT4036
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 Bovine Parvovirus 3 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

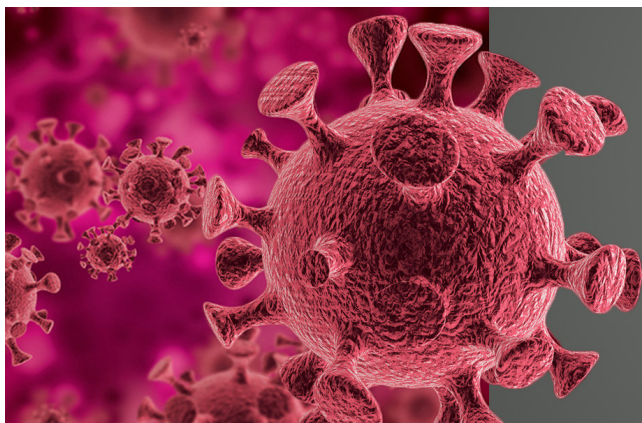
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Single-stranded DNA virus
Virus Family	<i>Parvoviridae</i>
Virus Subfamily	<i>Parvovirinae</i>
Virus Genus	<i>Erythroparvovirus</i>
Species	<i>Erythroparvovirus ungulate1</i>
Accession number	AF 406967 ;
Virus Abbrev	BPV3
Virus Name	Bovine Parvovirus 3
Genome Composition	ssDNA

Target

Introduction	Bovine Parvovirus 3, also known as BPV-3, is a species of virus belonging to the Parvovirinae subfamily. It primarily infects cattle, causing a range of clinical symptoms such as respiratory disease, enteritis, and reproductive disorders. BPV-3 is a small, non-enveloped virus with a single-stranded DNA genome. Transmission of BPV-3 typically occurs through direct contact with infected animals or contaminated materials. The virus can also be spread through respiratory secretions or fecal-oral routes. Infections can occur in both young and adult cattle, with calves being particularly susceptible to severe clinical signs. Diagnosis of BPV-3 infection is often carried out through serological testing or polymerase chain reaction (PCR) analysis. Treatment options for infected cattle are limited, and management typically involves supportive care to alleviate symptoms and prevent further spread of the virus.
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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.