

AibGenesis™ Mouse Anti-Bovine Parvovirus 2 Monoclonal Antibody (CT4035)

Cat. No.: VRS-0724-YT77

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

Product Overview

Clone	CT4035
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 2 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

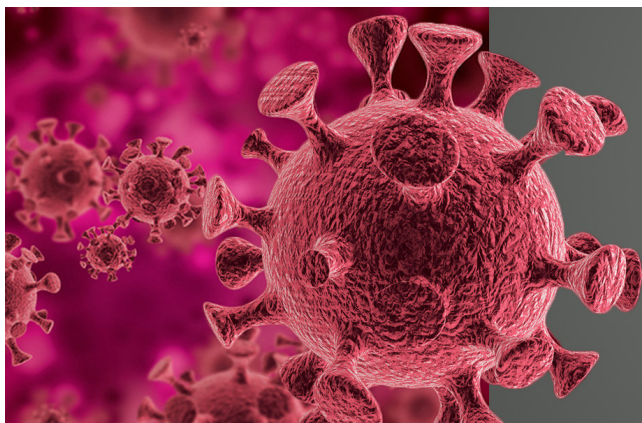
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Single-stranded DNA virus
Virus Family	<i>Parvoviridae</i>
Virus Subfamily	<i>Parvovirinae</i>
Virus Genus	<i>Copiparvovirus</i>
Species	<i>Copiparvovirus unguiate1</i>
Accession number	AF 406966 ;
RefSeq number	N C_006259 ;
Virus Abbrev	BPV2
Virus Name	Bovine Parvovirus 2
Genome Composition	ssDNA

Target

Introduction	Bovine Parvovirus 2, also known as Bosavirus, is a virus belonging to the Copiparvovirus genus in the Parvoviridae family. It primarily infects cattle, causing respiratory and reproductive issues in infected animals. Bosavirus is considered to be an emerging pathogen in cattle populations, with outbreaks reported in various regions around the world. The virus is transmitted through close contact between infected and healthy animals, and can also be spread through contaminated water and feed. Symptoms of Bosavirus infection in cattle include respiratory distress, fever, nasal discharge, decreased milk production, and reproductive problems such as infertility and abortions in pregnant cows.
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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.