

AibGenesis™ Mouse Anti-Bovine Nidovirus Monoclonal Antibody (CT4033)

Cat. No.: VRS-0724-YT75

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

Product Overview

Clone	CT4033
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 Nidovirus 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

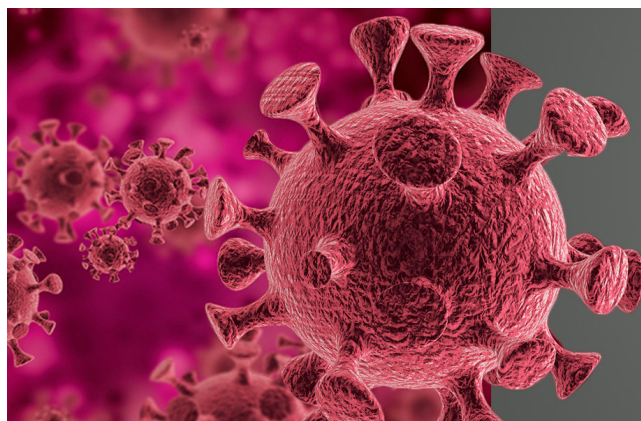
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA
Virus Family	<i>Tobaniviridae</i>
Virus Subfamily	<i>Remotovirinae</i>
Virus Genus	<i>Bostovirus</i>
Species	<i>Bovine nidovirus 1</i>
Accession number	KM 589359 ;
RefSeq number	N C_027199 ;
Virus Abbrev	BoNV
Virus Name	Bovine Nidovirus
Genome Composition	ssRNA(+)

Target

Introduction	Bovine Nidovirus, a member of the Bostovirus genus in the family Tobaniviridae, is a virus that primarily affects cattle. The genome of Bovine Nidovirus consists of a single-stranded RNA and encodes various proteins essential for its replication and structure. Transmission of Bovine Nidovirus typically occurs through direct contact with infected animals or contaminated environments. The virus mainly affects cattle, leading to respiratory and gastrointestinal symptoms, such as fever, coughing, nasal discharge, and diarrhea.
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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.