

AibGenesis™ Mouse Anti-Chicken Orivirus 2 Monoclonal Antibody (CT4126)

Cat. No.: VRS-0724-YT168

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

Product Overview

Clone	CT4126
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 Chicken Orivirus 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

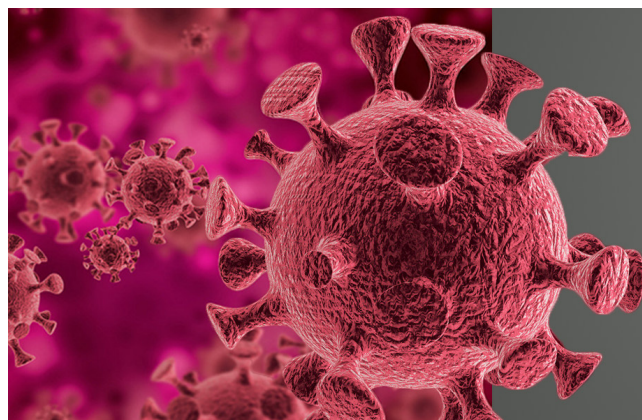
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA
Virus Family	<i>Picornaviridae</i>
Virus Subfamily	<i>Paavivirinae</i>
Virus Genus	<i>Orivirus</i>
Species	<i>Orivirus A</i>
Accession number	KT 880667 ;
Virus Abbrev	OrV-A2
Virus Name	Chicken Orivirus 2
Genome Composition	ssRNA(+)

Target

Introduction	Chicken Orivirus 2, belonging to the Orivirus genus in the Picornaviridae family, is a single-stranded, positive-sense RNA virus. It possesses a genome of approximately 7.7 kb with an open reading frame encoding a polyprotein that is subsequently cleaved into functional viral proteins. These include structural proteins involved in virus assembly and non-structural proteins essential for viral replication. The virus primarily infects chickens and is transmitted through the fecal-oral route or possibly through contaminated feed or water sources. Infection with Chicken Orivirus 2 can lead to clinical signs such as respiratory distress, drop in egg production, diarrhea, and potentially high mortality rates in affected poultry populations.
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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.