

AibGenesis™ Mouse Anti-Avian Nephritis Virus (ANV) Capsid Protein Monoclonal Antibody

Cat. No.: VRS-0124-YT1719

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

Product Overview

Target	Capsid protein
Specificity	This antibody is specific for Capsid protein of Avian Nephritis Virus (ANV).
Clone	TJ0016
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Avian Nephritis Virus

Product Properties

Immunogen	Synthetic peptide corresponding to partial sequence of Capsid protein.
Purity	>95%

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.

Applications

Application	ELISA
Application Notes	The antibody is screened by ELISA using the synthetic peptide that corresponds to a partial sequence of Avian Nephritis Virus Capsid protein as the capture antigen. Additional applications have not been validated. It is recommended that the end user

s validate other applications and determine optimal concentrations/dilution under their experimental conditions.

Other Product Details

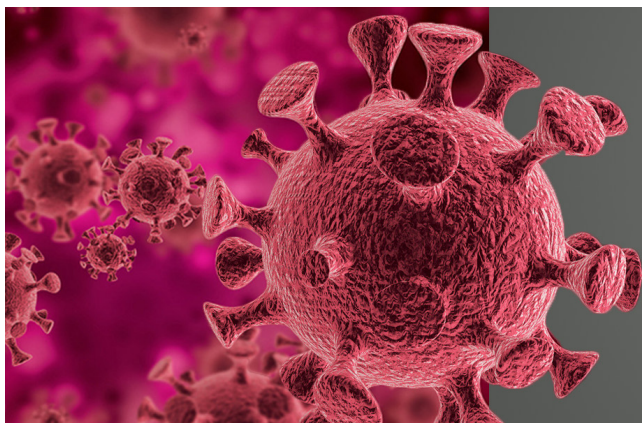
Type	Primary Antibody
Clonality	Monoclonal
Related Disease	Interstitial Nephritis
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA Virus
Virus Name	Avian Nephritis Virus
Virus Alternatives Names	Avian Nephritis Virus; ANV
Genome Composition	ssRNA(+)

Target

Introduction	Avian nephritis virus (ANV) acts as an etiological agent of growth retardation of young chickens by causing interstitial nephritis. The virus was first isolated from young chickens with chicken kidney (CK) cells in 1976 by our group. ANV is widely distributed in chickens worldwide, and turkeys may also be susceptible. Field viruses of ANV exhibit different degrees of pathogenicity in chickens, producing results ranging from subclinical infection to death, and there are at least two serotypes. The positive sense RNA genome of ANV contains 3 open reading frames (ORFs). ORF 1a, located close to the 5' terminus of the genome, encodes the viral (serine) protease and is followed by ORF 1b, which encodes the RNA polymerase. ORF 2, encoding the precursor capsid protein, is located after ORF 1b and prior to the 3' untranslated region (UTR) of the genome.
Target Alternative Names	Capsid protein, CP
UniProt ID	A0A346 BLM8



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.