

AibGenesis™ Mouse Anti-Heterobasidion Partitivirus 3 Monoclonal Antibody (CT4616)

Cat. No.: VRS-0724-YT658

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

Product Overview

Clone	CT4616
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 Heterobasidion Partitivirus 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

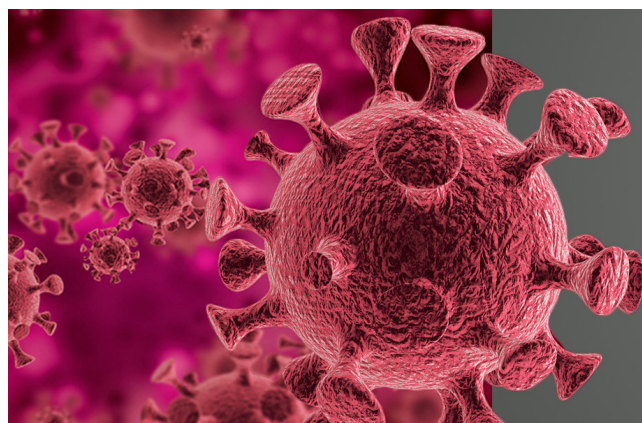
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Double-stranded RNA virus
Virus Family	<i>Partitiviridae</i>
Virus Genus	<i>Alphapartitivirus</i>
Species	<i>Heterobasidion partitivirus 3</i>
Accession number	RN A1: FJ816271 ; RN A2: FJ816272 ;
RefSeq number	R NA1: NC_038836 ; R NA2: NC_038835 ;
Virus Abbrev	HetRV3
Virus Name	Heterobasidion Partitivirus 3
Genome Composition	dsRNA

Target

Introduction	Heterobasidion partitivirus 3 (HetPV3) is a virus that belongs to the Alphapartitivirus genus in the family Orthomyxoviridae. The genome of HetPV3 is comprised of multiple segments of double-stranded RNA. As with other partitiviruses, HetPV3 is characterized by its divided genome, with each segment encoding a specific protein essential for viral replication. HetPV3 is primarily transmitted through hyphal anastomosis, which allows for the exchange of genetic material between fungal hyphae. It infects its host, the wood-decay fungus Heterobasidion spp., which is responsible for causing root and butt rot disease in coniferous trees.
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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.