

AibGenesis™ Mouse Anti-Heterobasidion Partitivirus 12 Monoclonal Antibody (CT4614)

Cat. No.: VRS-0724-YT656

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

Product Overview

Clone	CT4614
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 12 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

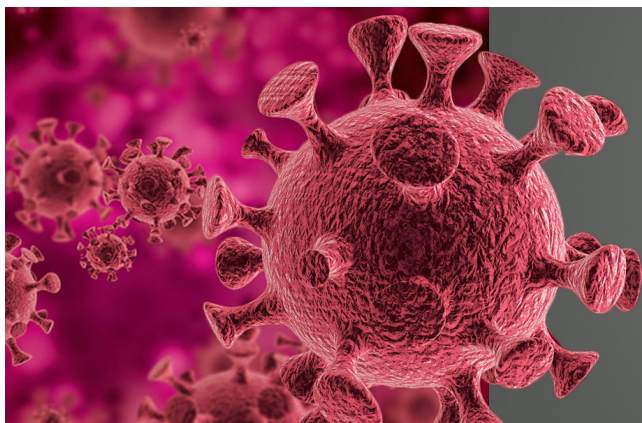
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Double-stranded RNA virus
Virus Family	<i>Partitiviridae</i>
Virus Genus	<i>Alphapartitivirus</i>
Species	<i>Heterobasidion partitivirus 12</i>
Accession number	RN A1: KF963175 ; RN A2: KF963176 ;
RefSeq number	R NA1: NC_038829 ; R NA2: NC_038830 ;
Virus Abbrev	HetPV12
Virus Name	Heterobasidion Partitivirus 12
Genome Composition	dsRNA

Target

Introduction	Heterobasidion partitivirus 12 (HetPV12) is a virus belonging to the Alphapartitivirus genus in the family Orthomyxoviridae. It infects the fungus Heterobasidion annosum, which causes root and butt rot in various coniferous trees. HetPV12 has a segmented genome consisting of two RNA segments. The mode of transmission of this virus is primarily through fungal spores or hyphal contact between infected and uninfected fungi, commonly during the mating process. Infection by HetPV12 in Heterobasidion annosum has been reported to result in alterations in fungal growth and virulence. However, the exact impact of this virus on the host fungus and its pathogenicity is still under study. There are currently no specific treatments available for HetPV12 infections, and management strategies focus on preventing the spread of the virus through sanitation practices and maintaining healthy forests to reduce the impact of Heterobasidion annosum.
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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.