

AibGenesis™ Mouse Anti-Vb_FspM_Lotta8-1 Monoclonal Antibody (CT5786)

Cat. No.: VRS-0724-YT1828

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

Product Overview

Clone	CT5786
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 Vb_Fspm_Lotta8-1 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

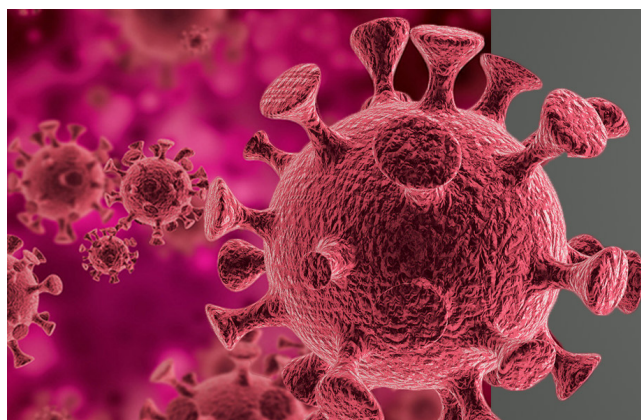
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Double-stranded DNA virus
Virus Family	<i>Winoviridae</i>
Virus Genus	<i>Pippivirus</i>
Species	<i>Pippivirus lotta</i>
Accession number	MN_812203 ;
RefSeq number	N_C_048829 ;
Virus Name	VB_Fspm_Lotta8-1
Genome Composition	dsDNA

Target

Introduction	Vb_Fspm_Lotta8-1 is a virus belonging to the Pippivirus genus in the Winoviridae family. It infects the plant pathogenic fungus Fusicladium sp. which causes apple scab disease. The genomic sequence of this virus is known to contain single-stranded RNA. The transmission of Vb_Fspm_Lotta8-1 likely occurs through direct contact between infected and uninfected fungal cells, as is typical for fungal viruses. Apple scab disease caused by Fusicladium sp. can lead to significant economic losses in apple orchards due to reduced fruit quality and yield. The presence of Vb_Fspm_Lotta8-1 within the fungal population may impact the disease progression or severity.
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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.