

AibGenesis™ Mouse Anti-Formica Fusca Virus 1 Monoclonal Antibody (CT4413)

Cat. No.: VRS-0724-YT455

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

Product Overview

Clone	CT4413
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 Formica Fusca Virus 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

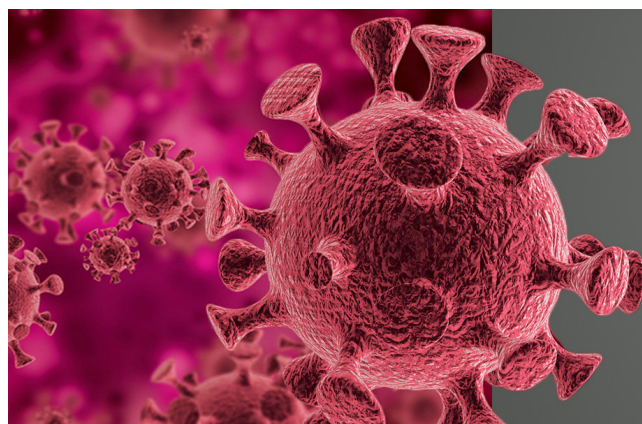
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Negative-sense single-stranded RNA
Virus Family	<i>Nyamiviridae</i>
Virus Genus	<i>Formivirus</i>
Species	<i>Formivirus angliae</i>
Accession number	MH 477287 ;
Virus Abbrev	FfusV-1
Virus Name	Formica Fusca Virus 1
Genome Composition	ssRNA(-)

Target

Introduction	Formica Fusca Virus 1 (FFV-1) is a member of the Formivirus genus in the family Nyamiviridae. The genome of FFV-1 is a single-stranded RNA virus. This virus infects Formica fusca ants, which are commonly found in North America and Europe. FFV-1 is primarily transmitted through horizontal transmission during ant-to-ant contact. The virus is known to cause minor symptoms in infected ants, such as reduced mobility and grooming behavior. However, in some cases, FFV-1 can lead to more severe outcomes, such as reduced life expectancy and colony productivity.
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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.