

AibGenesis™ Mouse Anti-Barmah Forest Virus (BFV) E2 Protein Monoclonal Antibody

Cat. No.: VRS-0124-YT2408

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

Product Overview

Target	E2 protein
Specificity	This antibody is specific for E2 protein of Barmah Forest Virus (BFV).
Clone	TJ0424
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Barmah Forest Virus

Product Properties

Immunogen	Synthetic peptide corresponding to partial sequence of E2 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 Barmah Forest Virus E2 protein as the capture antigen. Additional applications have not been validated. It is recommended that the end users validate the antibody for their intended application.

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

Other Product Details

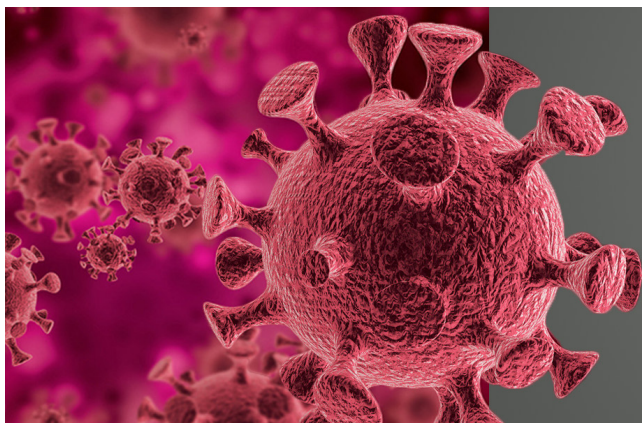
Type	Primary Antibody
Clonality	Monoclonal
Related Disease	Inflammation, Joint pain
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA Virus
Virus Family	<i>Togaviridae</i>
Virus Genus	<i>Alphavirus</i>
Species	<i>Barmah Forest virus</i>
Accession number	U737 45
RefSeq number	N C_001786
Virus Abbrev	BFV
Virus Name	Barmah Forest Virus
Virus Alternatives Names	Barmah Forest Virus; BFV
Genome Composition	ssRNA(+)

Target

Introduction	Barmah Forest virus (BFV) is a mosquito-borne alphavirus that infects humans. A 6-Å-resolution cryo-electron microscopy three-dimensional structure of BFV exhibits a typical alphavirus organization, with RNA-containing nucleocapsid surrounded by a bilipid membrane anchored with the surface proteins E1 and E2. BFV causes inflammation and joint pain and has similar symptoms to Ross River virus infection (epidemic polyarthrititis), but usually lasts for a shorter duration. The symptoms may include fever, headache, tiredness, painful joints, joint swelling, muscle tenderness, and skin rashes.
Target Alternative Names	E2 protein, Spike glycoprotein E2, E2
UniProt ID	A0A386 QWG3



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.