

AibGenesis™ Mouse Anti-Bean Common Mosaic Necrosis Virus Genome Polyprotein Monoclonal Antibody

Cat. No.: VRS-0124-YT2993

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

Product Overview

Target	Genome polyprotein
Specificity	This antibody is specific for Genome polyprotein of Bean common mosaic necrosis virus.
Clone	TF0181
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Bean common mosaic necrosis virus

Product Properties

Immunogen	Synthetic peptide corresponding to partial sequence of Genome polyprotein.
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 Bean common mosaic necrosis virus Genome polyprotein as t

he 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

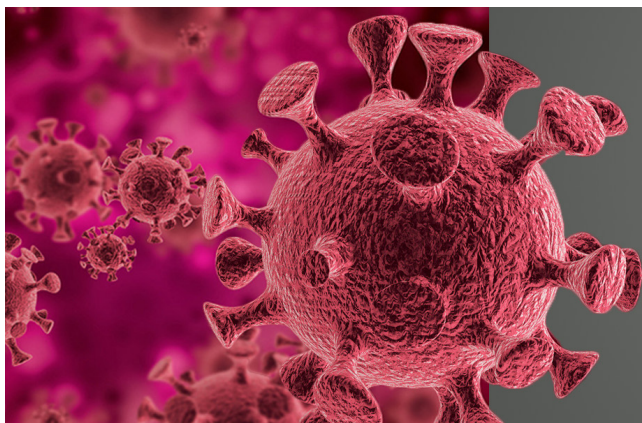
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA Virus
Virus Family	<i>Potyviridae</i>
Virus Subfamily	<i>0</i>
Virus Genus	<i>Potyvirus</i>
Species	<i>Bean common mosaic necrosis virus</i>
Virus Abbrev	BCMNV
Virus Name	Bean common mosaic necrosis virus
Virus Alternatives Names	Bean common mosaic necrosis virus; BCMNV; Bean common mosaic virus serotype A
Genome Composition	ssRNA(+)

Target

Introduction	The bean common mosaic necrosis virus (BCMNV) is a member of the genus Potyvirus in the family Potyviridae. BCMNV infects legume crops such as the common bean (<i>Phaseolus vulgaris</i> L.) and causes mosaic and necrosis symptoms that result in severe damage to bean production worldwide. BCMNVgp1 locates at NC_004047.1 (170..9370).
Target Alternative Names	BCMNVgp1, Genome polyprotein, P1 proteinase, N-terminal protein, Helper component proteinase, HC-pro, EC 3.4.22.45, Protein P3, 6 kDa protein 1, 6K1, Cytoplasmic inclusion protein, CI, 6 kDa protein 2, 6K2, Viral genome-linked protein (VPg), Nuclear inclusion protein A, NI-a, NIa, EC 3.4.22.44 (49 kDa proteinase, 49 kDa-Pro, NIa-pro) ; Nuclear inclusion protein B, NI-b, NIb, EC 2.7.7.48, RNA-directed RNA polymerase, Coat protein, CP, BCMNV
Gene ID	949209
UniProt ID	Q65399



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.