



AibGenesis™ Mouse Anti-VACV B8R Monoclonal Antibody

Cat. No.: VRS-0224-YT157

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

Product Overview

Target	B8R
Specificity	VACV
Clone	17638YF
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Vaccinia virus

Product Properties

Immunogen	Synthetic peptide sequence
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
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Application Notes	The antibody is screened by ELISA using the synthetic peptide corresponding to a partial sequence of Vaccinia virus B8R 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.
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Other Product Details

Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Double-stranded DNA virus
Virus Family	<i>Poxviridae</i>
Virus Subfamily	<i>Chordopoxvirinae</i>
Virus Genus	<i>Orthopoxvirus</i>
Species	<i>Vaccinia virus</i>
Accession number	AY 243312
RefSeq number	NC_ 6998
Virus Abbrev	VACV
Virus Name	Vaccinia virus
Virus Alternatives Names	Vaccinia Virus; VACV
Genome Composition	dsDNA

Target

Introduction	Vaccinia virus (VACV or VV) is a large, complex, enveloped virus belonging to the poxvirus family. It has a linear, double-stranded DNA genome approximately 190 kbp in length, and which encodes approximately 250 genes. The dimensions of the virion are roughly 360 × 270 × 250 nm, with a mass of approximately 5-10 fg.
Target Alternative Names	VACV B8R, Vaccinia virus B8R, Vaccinia virus, VACV, B8R
Gene ID	3707661
UniProt ID	P24770



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.