



AibGenesis™ Mouse Anti-VACV TOP1 Monoclonal Antibody

Cat. No.: VRS-0224-YT258

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

Product Overview

Target	TOP1
Specificity	VACV
Clone	19808YF
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 TOP1 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	This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus altering the topology of DNA. This gene is localized to chromosome 20 and has pseudogenes which reside on chromosomes 1 and 22.
Target Alternative Names	DNA topoisomerase 1B, Vaccinia virus, VACV, TOP1
Gene ID	3707560
UniProt ID	P08585



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.