

AibGenesis™ ViroAb™ Mouse Anti-MCPyV Large T Monoclonal Antibody (VL0008)

Cat. No.: VRS-1223-YT23

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

Product Overview

Target	Large T antigen
Specificity	This antibody recognises MCPyV large T-antigen.
Clone	XL0008
Host Species	Mouse
Antibody Isotype	IgG2b, kappa
Species Reactivity	Merkel Cell Polyomavirus

Product Properties

Concentration	Lot specific
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Packaging, Storage & Formulations

Form	Liquid
Formulation	PBS, 0.1% Sodium Azide, 0.1% gelatin
Preservative	0.1% Sodium Azide
Storage	Store at 4°C. Do not freeze. Refer to the COA file for specifics.

Applications

Application	WB; IP; IF; IHC; IHC-P
Application Notes	WB: 1:100-1:1000; IF: 1:50-1:500; IHC: 1:50-1:500; The optimal working dilutions should be determined by the end user.

Other Product Details

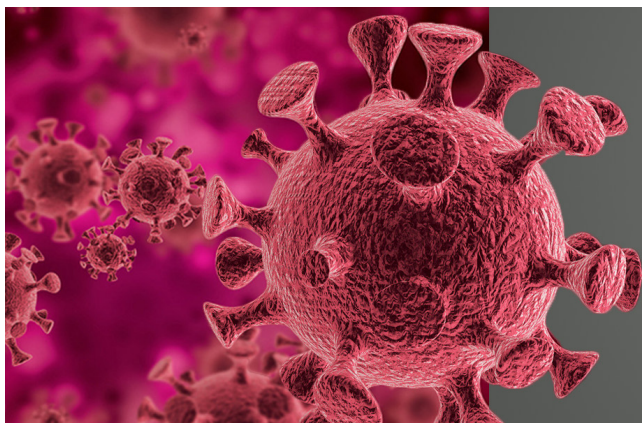
Type	Primary antibody
Clonality	Monoclonal

Virus Details

Virus Classification	Double-stranded DNA virus
Virus Family	<i>Polyomaviridae</i>
Virus Genus	<i>Alphapolyomavirus</i>
Species	<i>Alphapolyomavirus quintihominis</i>
Accession number	HM 011556
RefSeq number	N C_010277
Virus Abbrev	MCPyV
Virus Name	Merkel Cell Polyomavirus
Virus Alternatives Names	Merkel Cell Polyomavirus; MCPyV
Genome Composition	dsDNA

Target

Introduction	Large T antigen; binds to the viral origin of replication; regulates the transcription of early region mRNA; helicase activity facilitates movement of the virion DNA replication fork; the small T antigen shares a region in common with the large T antigen known as the J-domain; the J-domain is required for multiple processes including assembly, viral genomic DNA replication and transcription; The polyomaviruses are non-enveloped dsDNA viruses; the viral genome is organized into two divergent transcriptional units known as early and late regions; mRNAs from the early region encode the viral small and large t-antigens; the small T antigen and large T antigen are expressed upon entry into the host nucleus early in the viral lifecycle.
Target Alternative Names	MCPyV_gp3, Large T antigen, LT
Gene ID	109874.17
UniProt ID	B6DVW7



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.