

## AibGenesis™ Mouse Anti-HHV5 UL100 Monoclonal Antibody

Cat. No.: VRS-0224-YT1091

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

### Product Overview

Target	UL100
Specificity	HHV5
Clone	07920YF
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Cytomegalovirus

### 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 Human betaherpesvirus 5 UL100 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

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## Virus Details

Virus Classification	Double-stranded DNA virus
Virus Family	<i>Orthoherpesviridae</i>
Virus Subfamily	<i>Betaherpesvirinae</i>
Virus Genus	<i>Cytomegalovirus</i>
Species	<i>Cytomegalovirus humanbeta5</i>
Accession number	<a href="#">AY 446894</a>
RefSeq number	<a href="#">NC_6273</a>
Virus Abbrev	HuBHV5; HCMV
Virus Name	Human Betaherpesvirus 5; Human Cytomegalovirus
Virus Alternatives Names	Cytomegalovirus; CMV; HCMV; Human herpesvirus 5; HHV5; HHV-5; human betaherpesvirus 5
Genome Composition	dsDNA

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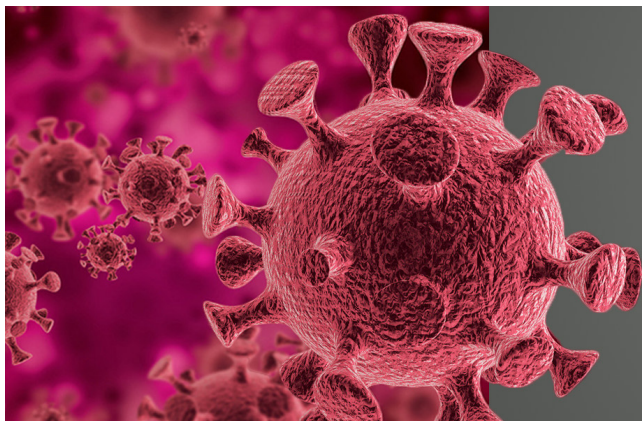
## Target

**Introduction**                    Cytomegalovirus (CMV) (from the Greek cyto-, "cell", and megalo-, "large") is a genus of viruses in the order Herpesvirales, in the family (150-200nm in diameter [virus 120nm]) Herpesviridae, in the subfamily Betaherpesvirinae. Humans and monkeys serve as natural hosts. There are currently eight species in this genus including the type species, human cytomegalovirus (HCMV, human herpesvirus 5, HHV-5), which is the species that infects humans. Diseases associated with HHV-5 include glandular fever, and pneumonia.

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Target Alternative Names	HHV5wtgp093, Human alphaherpesvirus 5, HHV5, UL100
Gene ID	<a href="#">3077534</a>

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## 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.