

AibGenesis™ ViroAb™ Mouse Anti-Hepatitis C Virus NS3 Monoclonal Antibody (XX0110)

Cat. No.: VRS-0224-YT54

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

Product Overview

Target	NS3
Specificity	This antibody reacts with NS3 of Hepatitis C virus.
Clone	XX0110
Host Species	Mouse
Antibody Isotype	IgG1
Species Reactivity	Hepatitis C virus
Virus Subtype	Hepatitis C virus

Product Properties

Immunogen	A highly antigenic polypeptide consisting of essential sequences of at least 60 residues in length, which were selected from genes encoding the NS-3 region of Chinese HCV strains.
Purification	Protein G affinity chromatography
Concentration	1.0 mg/mL (lot specific)

Packaging, Storage & Formulations

Form	Liquid
Formulation	0.01 M PBS (pH 7.2)
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	WB; ELISA; IHC
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Application Notes The optimal working dilutions should be determined by the end user.

Other Product Details

Type Primary Antibody

Clonality Monoclonal

Related Disease Hepatitis C

Virus Details

Virus Classification Positive-sense single-stranded RNA Virus

Virus Family *Flaviviridae*

Virus Genus *Hepacivirus*

Species *Hepacivirus hominis*

Virus Abbrev HCV

Virus Name Hepatitis C virus

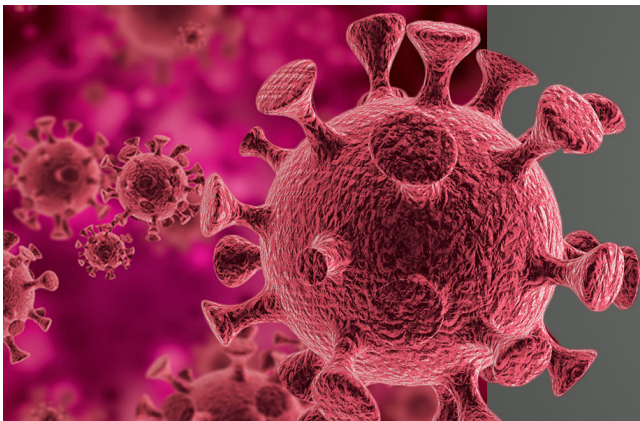
Virus Alternatives Names Hepatitis virus; Hepatitis; Hepatitis C virus; HCV

Genome Composition ssRNA(+)

Target

Introduction HCV is a positive, single-stranded RNA virus in the Flaviviridae family. The genome is approximately 10,000 nucleotides and encodes a single polyprotein of about 3,000 amino acids. The polyprotein is processed by host cell and viral proteases into three major structural proteins and several non-structural proteins necessary for viral replication. Several different genotypes of HCV with slightly different genomic sequences have since been identified that correlate with differences in response to treatment with interferon alpha.

Target Alternative Names NS3 (HCV)



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.