



**AibGenesis™ ViroAb™ Mouse Anti-Hepatitis C Virus E1 Protein Monoclonal Antibody (XX0091)**

**Cat. No.: VRS-0224-YT66**

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

**Product Overview**

|                    |  |
|--------------------|--|
| Target             | E1   |
| Specificity        | This antibody reacts with E1 Protein of Hepatitis C virus. |
| Clone              | XX0091   |
| Host Species       | Mouse  |
| Antibody Isotype   | IgG1   |
| Species Reactivity | Hepatitis C Virus  |
| Virus Subtype      | Hepatitis C virus  |

**Product Properties**

|               |                                   |
|---------------|-----------------------------------|
| Immunogen     | HCV E1                            |
| Purification  | Protein G affinity chromatography |
| Concentration | 0.5 mg/mL (lot specific)          |

**Packaging, Storage & Formulations**

|             |  |
|-------------|--|
| Form        | Liquid   |
| Formulation | 0.1 M Tris-HCl (pH 7.5)  |
| 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; IP; IF   |
| 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             | <i>Flaviviridae</i>                                |
| Virus Genus              | <i>Hepacivirus</i>                                 |
| Species                  | <i>Hepacivirus hominis</i>                         |
| Virus Abbrev             | HCV  |
| Virus Name               | Hepatitis C virus                                  |
| Virus Alternatives Names | Hepatitis virus; Hepatitis; Hepatitis C Virus; HCV |
| Genome Composition       | ssRNA(+)   |

## Target

**Introduction**

Hepatitis C is an infectious disease affecting the liver, caused by the hepatitis C virus (HCV). The infection is often asymptomatic, but once established, chronic infection can progress to scarring of the liver (fibrosis), and advanced scarring (cirrhosis) which is generally apparent after many years. In some cases, those with cirrhosis will go on to develop liver failure or other complications of cirrhosis, including liver cancer or life threatening esophageal varices and gastric varices.

|                          |                        |
|--------------------------|------------------------|
| Target Alternative Names | E1                     |
| UniProt ID               | <a href="#">A8VE28</a> |



**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.