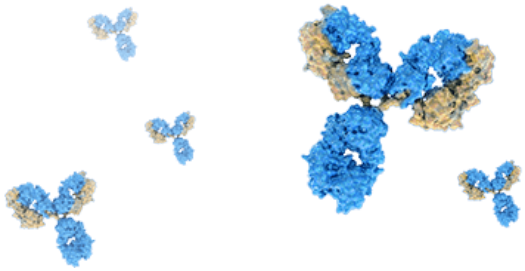

AibGenesis™ ViroAb™ Mouse Anti-Hepatitis C Virus NS4A Monoclonal Antibody (XX0114)

Cat. No.: VRS-0224-YT57
This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Overview

Target	NS4
Target Specific Region	NS4A
Specificity	This antibody reacts with NS4A of Hepatitis C virus.
Clone	XX0114
Host Species	Mouse
Antibody Isotype	IgG2b
Species Reactivity	Hepatitis C virus
Virus Subtype	Hepatitis C virus

Product Properties

Immunogen	A region of NS4 protein of HCV genotype 1b expressed in E.coli. The epitope of this antibody was mapped to the N-terminal region of the NS4 protein (NS4a).
Purification	Protein G affinity chromatography
Concentration	Lot specific

Packaging, Storage & Formulations

Formulation	PBS, 50% glycerol
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; ICC; IF; ELISA
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. The small proteins NS2a, NS2b, NS4a and NS4b are hydrophobic, suggesting a possible membrane-related function. NS3 and NS5 may play a role in the viral RNA replication.
Target Alternative Names	NS4A