

## Product datasheet

# Biotin Anti-Hepatitis C Virus antibody [NS5B-6] ab122972

[3 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Biotin Anti-Hepatitis C Virus antibody [NS5B-6]
<b>Description</b>	Biotin Mouse monoclonal [NS5B-6] to Hepatitis C Virus
<b>Host species</b>	Mouse
<b>Conjugation</b>	Biotin
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB, ELISA, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Hepatitis C virus
<b>Immunogen</b>	Recombinant fragment of NS5b protein of Hepatitis C Virus genotype 1b, expressed in E. coli
<b>Positive control</b>	Chimp liver cells infected with recombinant vaccinia virus containing a HCV genome cDNA.
<b>General notes</b>	<p>Conjugate: Biotin conjugated [biotin] / [IgG] = 8.7</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 6</p> <p>Constituents: 50% Glycerol (glycerin, glycerine), 49% PBS</p>
<b>Purity</b>	Ion Exchange Chromatography
<b>Purification notes</b>	filter-sterilized
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	NS5B-6

<b>Isotype</b>	IgG2b
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab122972 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>Flow Cyt (Intra)</b>		Use at an assay dependent concentration. <b>ab18418</b> - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
<b>WB</b>		Use at an assay dependent concentration. Detects a band of approximately 58 kDa (predicted molecular weight: 70 kDa).
<b>ELISA</b>		Use at an assay dependent concentration.
<b>ICC/IF</b>		Use at an assay dependent concentration.

## Target

**Relevance** Hepatitis C Virus is a positive, single stranded RNA virus in the Flaviviridae family. The genome is approximately 10,000 nucleotides and encodes a single polypeptide of about 3,000 amino acids. The polypeptide 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.

**Cellular localization** Virus surface

## Images

116 -  
97.4 -  
66.2 -  
45 -  
31 -  
21.5 -  
14.4 -



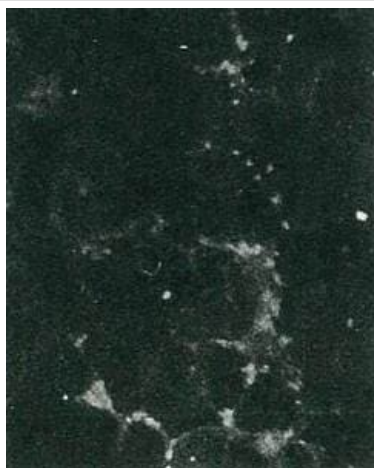
Western blot - Biotin Anti-Hepatitis C Virus antibody  
[NS5B-6] (ab122972)

Biotin Anti-Hepatitis C Virus antibody [NS5B-6] (ab122972) +  
Lysate of chimp liver cells infected with recombinant  
vaccinia virus containing a HCV genome cDNA

**Predicted band size:** 70 kDa

**Observed band size:** 58 kDa

NS5b protein is detected as a 58kDa band.



Immunocytochemistry/ Immunofluorescence - Biotin  
Anti-Hepatitis C Virus antibody [NS5B-6] (ab122972)

ab122972, staining Hepatitis C Virus NS5b protein in Chimp liver  
cells infected with recombinant vaccinia virus containing a HCV  
genome cDNA by immunofluorescence.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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