Product datasheet

Anti-Hepatitis C Virus NS4A antibody [S4-13] (Biotin) ab124526

Overview

Product name: Anti-Hepatitis C Virus NS4A antibody [S4-13] (Biotin)
Description: Mouse monoclonal [S4-13] to Hepatitis C Virus NS4A (Biotin)
Host species: Mouse
Conjugation: Biotin
Specificity: Specific to Human Hepatitis C Virus NS4A protein of genotype 1b. Not tested in other genotypes
Tested applications: Suitable for: WB, ELISA, Flow Cyt, ICC/IF
Species reactivity: Reacts with: Hepatitis C virus
Immunogen: A region of NS4 protein of Hepatitis C Virus genotype 1b expressed in E. coli.
Epitope: N terminal region of the NS4 protein (NS4A).
Positive control: Chimp liver cells infected with recombinant vaccinia virus containing a HCV genome cDNA.
General notes: [biotin] / [IgG] = 11.3

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Constituents: 49% PBS, 50% Glycerol
Purity: >95% by SDS-PAGE
Clonality: Monoclonal
Clone number: S4-13
Isotype: IgG2b
Light chain type: kappa

Applications
**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 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 protein necessary for viral replication. Several different genotypes of Hepatitis C Virus with slightly different genomic sequences have since been identified that correlate with differences in response to treatment with interferon alpha.

**Cellular localization**
Host endoplasmic reticulum membrane; Single-pass type I membrane protein Potential. Note: Host membrane insertion occurs after processing by the NS3 protease.

**Target**

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>Use at an assay dependent concentration. Predicted molecular weight: 6 kDa.</td>
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<tr>
<td>ELISA</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>Flow Cyt</td>
<td>Use at an assay dependent concentration. ab18418 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.</td>
<td></td>
</tr>
<tr>
<td>ICC/IF</td>
<td>Use at an assay dependent concentration.</td>
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</tr>
</tbody>
</table>

**Images**

Anti-Hepatitis C Virus NS4A antibody [S4-13] (Biotin) (ab124526) + Chimp liver cells infected with recombinant vaccinia virus containing a HCV genome cDNA.

**Predicted band size:** 6 kDa
ab124526 staining Hepatitis C Virus NS4A in Chimp liver cells infected with recombinant vaccinia virus containing a HCV genome cDNA. After incubation for 48 hr, the cells were fixed with acetone and Hepatitis C Virus NS4A protein was detected by indirect immunofluorescence staining using this antibody.

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