Datasheet: OBT0807

### Product Details

**Description:** MOUSE ANTI HEPATITIS C E2 ANTIGEN

**Specificity:** HEPATITIS C E2 ANTIGEN

**Other names:** HCV

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** 1876

**Isotype:** IgG1

**Quantity:** 0.1 mg

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Western Blotting</td>
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<td>Immunofluorescence</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Target Species

Viral

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antisera to Hepatitis C virus envelope glycoprotein E2 were raised by repeated immunisations of mice with highly purified antigen. Purified IgG was prepared from ascites or tissue culture medium by protein A affinity chromatography.

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.1% Sodium Azide (NaN₃)
Approx. Protein Concentrations

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<tr>
<th>Protein</th>
<th>Concentration</th>
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<tbody>
<tr>
<td>IgG</td>
<td>0.1mg/ml</td>
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RRID

AB_609660

Specificity

**Mouse anti Hepatitis C E2 antigen antibody, clone 1876** recognizes the envelope glycoprotein E2 of Hepatitis C virus (HCV). It has been suggested that HCV infects human cells through interaction of the E2 envelope glycoprotein and CD81 the putative viral receptor (Fénéant *et al.* 2014).

Further Reading


Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information


Regulatory

For research purposes only

Related Products

**Recommended Secondary Antibodies**

- **Goat Anti Mouse IgG (STAR77...)**  HRP
- **Rabbit Anti Mouse IgG (STAR12...)**  RPE
- **Rabbit Anti Mouse IgG (STAR8...)**  DyLight®800
- **Goat Anti Mouse IgG (STAR76...)**  RPE
- **Rabbit Anti Mouse IgG (STAR9...)**  FITC
- **Goat Anti Mouse IgG (Fc) (STAR120...)**  FITC, HRP
- **Goat Anti Mouse IgG IgA IgM (STAR87...)**  Alk. Phos., HRP
- **Rabbit Anti Mouse IgG (STAR13...)**  HRP
- **Goat Anti Mouse IgG (H/L) (STAR117...)**  Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP
- **Goat Anti Mouse IgG (STAR70...)**  FITC