**Datasheet: 4939-8520**

**Product Details**

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HEPATITIS B CORE ANTIGEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>HEPATITIS B CORE ANTIGEN</td>
</tr>
<tr>
<td>Other names:</td>
<td>HBcAg</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
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<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>H3A4 (4H5)</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG2a</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.2 mg</td>
</tr>
</tbody>
</table>

**RRID**

AB_619040

**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.

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<tr>
<td>ELISA</td>
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<tr>
<td>Western Blotting</td>
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</tr>
</tbody>
</table>

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 the appropriate negative/positive controls.

**Target Species**

Viral

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein G from Ascites

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide (NaN₃)

**Approx. Protein Concentrations**

IgG concentration 1.0 mg/ml

**Immunogen**

Recombinant Hepatitis B core antigen

**Specificity**

Mouse anti Hepatitis B Core Antigen antibody, clone H3A4 (4H5) specifically recognizes
Hepatitis B virus core antigen (HBCAg), the highly immunogenic 21kDa replicative form of the Hepatitis B virus (HBV), expressed by infected cells.

Antibodies to HBCAg are produced by the host during and following an acute HBV infection and can be detected in chronic HBV carriers and patients recovered from HBV infection, usually persisting in the body for life.

**Purity**

More than 95% by SDS-PAGE.

**ELISA**

4939-8520 may be used in an indirect ELISA or is available in a HRP conjugated format that is suitable for use in a sandwich ELISA in combination with 4939-8530.

**Further Reading**


**Storage**

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted.
Avoid repeated freezing and thawing as this may denature the antibody.
Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG IgA IgM (STAR87...) *Alk. Phos., HRP*
- Goat Anti Mouse IgG (STAR77...) *HRP*
- Rabbit Anti Mouse IgG (STAR12...) *RPE*
- Rabbit Anti Mouse IgG (STAR8...) *DyLight®800*
- Rabbit Anti Mouse IgG (STAR13...) *HRP*
- Goat Anti Mouse IgG (STAR76...) *RPE*
- Goat Anti Mouse IgG (STAR70...) *FITC*
- Goat Anti Mouse IgG (Fc) (STAR120...) *FITC, HRP*
- Rabbit Anti Mouse IgG (STAR9...) *FITC*
- Human Anti Mouse IgG2a (HCA037...) *FITC, HRP*
- Goat Anti Mouse IgG (H/L) (STAR117...) *Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP*

**Recommended Useful Reagents**

**MOUSE ANTI HEPATITIS B CORE ANTIGEN (4939-8530)**