Product datasheet

Anti-Hepatitis B Virus Core Antigen antibody [14E11] ab8638

5 References

Overview

Product name Anti-Hepatitis B Virus Core Antigen antibody [14E11]
Description Mouse monoclonal [14E11] to Hepatitis B Virus Core Antigen
Host species Mouse
Tested applications Suitable for: ELISA, IHC-FoFr, IHC-Fr, ICC/IF, IP, IHC-P, WB
Species reactivity Reacts with: Hepatitis B virus
Immunogen Purified Denatured Hepatitis B Core Antigen
Epitope 135-141aa (PNAPILS)

Properties

Form Liquid
Storage instructions Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer Bioreactor harvest, serum-free medium, no protein added
Clonality Monoclonal
Clone number 14E11
Myeloma Sp2/0
Isotype IgG2b
Light chain type kappa

Applications

Our Abpromise guarantee covers the use of ab8638 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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</table>
Hepatitis B Virus Core Antigen (HBcAg) is part of the infectious virion containing an inner "core particle" enclosing the viral genome. The icosahedral core particle contains 180 or 240 copies of the core protein. HBcAg is one of the three major clinical antigens of hepatitis B virus but disappears early in the course of infection. The hepatitis B virus core antigen (HBcAg) is a highly immunogenic subviral particle and functions as both a T-cell-dependent and a T-cell-independent antigen. Therefore, HBcAg may be a promising candidate target for therapeutic vaccine control of chronic HBV infection.

**Application**

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<tbody>
<tr>
<td>IHC-FoFr</td>
<td></td>
<td>1/100.</td>
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<tr>
<td>IHC-Fr</td>
<td></td>
<td>1/100.</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IP</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IHC-P</td>
<td></td>
<td>1/100.</td>
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<tr>
<td>WB</td>
<td></td>
<td>1/1000.</td>
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</table>

**Target**

**Relevance**

Hepatitis B Virus Core Antigen (HBcAg) is part of the infectious virion containing an inner "core particle" enclosing the viral genome. The icosahedral core particle contains 180 or 240 copies of the core protein. HBcAg is one of the three major clinical antigens of hepatitis B virus but disappears early in the course of infection. The hepatitis B virus core antigen (HBcAg) is a highly immunogenic subviral particle and functions as both a T-cell-dependent and a T-cell-independent antigen. Therefore, HBcAg may be a promising candidate target for therapeutic vaccine control of chronic HBV infection.

**Cellular localization**

Capsid protein: Virion. Host cytoplasm, hepatocyte nucleus.

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