Protein A Sepharose® ab193256

Overview

Product name         Protein A Sepharose®
Sample type          Cell culture supernatant, Serum, Cell culture media, Ascites Fluid
Product overview     Contents:
                      Supplied as a 50% slurry in 20% Ethanol.

Features:
High binding capacity = Binding of IgG ≥16 mg human or rabbit IgG/mL Protein A-Sepharose®.
Minimal leaching of the ligand
Flow Rate Tested* = 2.07 mL/min.
*Test condition: = Calculations based on the time required to pass 18 mL of water through 2 mL settled beads (column diameter 1.5 cm).
Usage = Reusable for up to 10 times without significant loss of binding capacity.

Store beads at 4°C.
The beads may be damaged above 40°C.
DO NOT FREEZE.
Wash beads 3 times with 3x bead volume of desired buffer before use.

Applications:
- Purification of monoclonal and polyclonal antibodies from culture media, serum, ascites fluid or hybridoma supernatants.
- Isolation of antibody/antigen complexes in immunoprecipitation experiments, since only the Fc region is involved in antibody binding and the Fab region is available for binding antigen.

Sepharose is a registered trademark of GE Healthcare
Notes

Protein A Sepharose® beads are prepared by covalently coupling recombinant Protein A to 6% cross-linked Sepharose® beads. Protein A is a genetically engineered protein containing five IgG-binding regions of native Protein A. The cell wall binding region, albumin binding region and other non-specific regions have been eliminated from the recombinant Protein A to ensure maximum specific IgG binding. The coupling technique is optimized to give a higher binding capacity for IgG and minimum leaching of recombinant Protein A. The IgG binding capacity of Protein A Sepharose® is ≥ 16 mg human or rabbit IgG per mL of wet beads. Protein A Sepharose® beads display high chemical and physical stability as well as high flow rate, hydrophilicity and high gel strength. This product can be used for IgG purification and immunoprecipitation.

Tested applications

Suitable for: IP, Purification

Properties

Storage instructions

Store at +4°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>1 ml</th>
<th>5 ml</th>
<th>25 ml</th>
<th>100 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein A Sepharose®</td>
<td>1 x 1ml</td>
<td>1 x 5ml</td>
<td>1 x 25ml</td>
<td>1 x 100ml</td>
</tr>
</tbody>
</table>

Applications

Our Abpromise guarantee covers the use of ab193256 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>IP</td>
<td>Use at an assay dependent concentration. Isolation of antibody/antigen complexes in immunoprecipitation experiments, since only the Fc region is involved in antibody binding and the Fab region is available for binding antigen.</td>
<td></td>
</tr>
<tr>
<td>Purification</td>
<td>Use at an assay dependent concentration. Purification of monoclonal and polyclonal antibodies from culture media, serum, ascites fluid or hybridoma supernatants.</td>
<td></td>
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</tbody>
</table>

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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