

Product datasheet

Protein A Sepharose[®] Column ab193257

Overview

Product name	Protein A Sepharose [®] Column
Sample type	Cell culture supernatant, Serum, Cell culture media, Ascites Fluid
Product overview	<p>Contents:</p> <p>Ready-to-use pre-packed columns of 1 mL or 5 mL bead volume in PBS with 0.02% sodium azide; >5mg Protein A/mL Sepharose beads.</p>

Features:

High binding capacity = Binding of IgG \geq 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 column 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	<p>Protein A Sepharose[®] Columns 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[®] Column is \geq 16 mg human or rabbit IgG per mL of wet beads. Protein A Sepharose[®] Columns display high chemical and physical stability as well as high flow rate,</p>
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hydrophilicity and high gel strength. This product can be used for IgG purification and immunoprecipitation.

Tested applications

Suitable for: Purification, IP

Properties

Storage instructions

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

Components	1 ml	5 ml
Protein A Sepharose® Column	1 x 1ml	1 x 5ml

Applications

Our [Abpromise guarantee](#) covers the use of **ab193257** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Purification		Use at an assay dependent concentration. Purification of monoclonal and polyclonal antibodies from culture media, serum, ascites fluid or hybridoma supernatants.
IP		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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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