

## Product datasheet

# Protein A Agarose ab193254

5 References

### Overview

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<b>Product name</b>	Protein A Agarose
<b>Sample type</b>	Cell culture supernatant, Serum, Cell culture media, Ascites Fluid
<b>Product overview</b>	High binding capacity (>20 mg IgG/mL). Minimal leaching of ligand. Suitable for column or batch purification of IgG, immunoprecipitation & ChIP (ab193254).

#### Contents:

Supplied as a 50% slurry in 20% Ethanol.

#### Features:

High binding capacity = Binding of IgG  $\geq$  20 mg human or rabbit IgG/mL Protein A Agarose.

Minimal leaching of the ligand

Flow Rate Tested\* = 2.89 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.

**Notes** This product is manufactured by BioVision, an Abcam company and was previously called 6526 Protein A-Agarose. 6526-100 is the same size as the 100 ml size of ab193254.

Protein A Agarose beads are prepared by covalently coupling recombinant Protein A to 6% cross-linked Agarose beads, the most popular resin for protein affinity purification methods. 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 compared to standard Protein A agarose beads. The IgG binding capacity of Protein A Agarose is  $\geq 20$  mg human or rabbit IgG per mL of wet beads. Protein A Agarose 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.

Components	1 ml	5 ml	25 ml	100 ml
Protein A-Agarose	1 x 1ml	1 x 5ml	1 x 25ml	1 x 100ml

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab193254 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
IP		Use at an assay dependent concentration.
Purification		Use at an assay dependent concentration. Purification of monoclonal and polyclonal antibodies from culture media, serum, ascites fluid or hybridoma supernatants.

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

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