

Protein G Sepharose® ab193259

12 References

Overview

Product name

Protein G Sepharose®

Sample type

Cell culture supernatant, Serum, Cell culture media, Ascites Fluid

Product overview**Contents:**

Supplied as 50% slurry in 20% Ethanol.

Features:

High binding capacity: Binding of IgG >20 mg human or rabbit IgG/mL Protein G 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.

These beads are for use in column purification. If used in batch purification, we recommend not exceeding 150 x g when centrifuging.

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

This product is manufactured by BioVision, an Abcam company and was previously called 6511 Protein G Sepharose. 6511-100 is the same size as the 100 ml size of ab193259.

Protein G Sepharose® beads are prepared by covalently coupling recombinant Protein G to 6% cross-linked Sepharose® beads. Protein G is a genetically engineered protein containing three IgG-binding regions of native Protein G. The cell wall binding region, albumin binding region and other non-specific regions have been eliminated from the recombinant Protein G 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 G. The IgG binding capacity of Protein G Sepharose® is >20 mg of human or rabbit IgG per mL of wet beads. Protein G 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: Purification, IP

Properties

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

Components	100 ml	1 ml	25 ml	5 ml	1 ml	5 ml	100 ml
Protein G Sepharose®	1 x 100ml	1 x 1ml	1 x 25ml	1 x 5ml	1 x 1ml	1 x 5ml	1 x 100ml

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab193259 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"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors