Protein G HP SpinTrap

Product Information

Cat#No#	Pr-050P

Product Overview

Protein G HP SpinTrap is a prepacked, single-use spin column containing Protein G Sepharose High Performance.

Description

Protein G Sepharose HP has high affinity for the Fc region of IgG from a variety of species. The two options in the protein enrichment protocol allow the attached antigen to be eluted separately (cross-link protocol) or together with the antibody (classic protocol).

Characteristic

For simple, small-scale purification of antibodies or enrichment of specific proteins in prepacked spin columns that are ready to use. Classic and cross-link protocols provide flexibility.
Elution conditions formatted for both electrophoresis and LC-MS analysis workflows.
Fast binding kinetics and high capacity provides high yield.
Prepacked with Protein G Sepharose High Performance for coupling of antibodies of IgG subclasses.
Easy scale-up with HiTrap Protein G HP prepacked columns.

Applications

Designed for small-scale sample preparation for single use: Enrichment of target protein Protein-protein interaction studies Upstream of gel electrophoresis, liquid chromatography and mass spectrometry.

Sample preparation

600 µl

Ligand Coupling Method

N-hydroxysuccinimide activation

Matrix

Highly cross-linked agarose, 6%

Average particle size

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.com

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Chromatography

Protein G HP SpinTrap

34 µm
Ligand
Recombinant protein G lacking albumin-binding region.
Ligand density
Approx. 2 mg protein G/mL medium
Dynamic binding capacity
> 1 mg human IgG/column
pH working range
3–9
CIP stability
2–9
Temperature stability
4°C to 30°C
Storage
2 to 8°C, 20% Ethanol
Shipping
20% ethanol
Binding buffer
20 mM sodium phosphate, pH 7.0
Elution buffer
0.1 M glycine-HCl, pH 2.7
Binding
1. Add maximum 600 µL of the antibody solution. 2. Secure the top cap tightly and incubate for 4 min while gently mixing.

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.com
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Protein G HP SpinTrap

3. Centrifuge for 30 s at 70–100 × g.
4. Proceed with the next part of the protocol.

Equilibration

1. Add 600 µL binding buffer.
2. Centrifuge for 30 s at 70–100 × g.
3. Proceed with the next part of the protocol.

Elution

1. Add 400 µL of elution buffer and mix by inversion.
2. Place the column in a 2 mL microcentrifuge tube containing 30 µL neutralizing buffer (see step 1).
3. Centrifuge for 30 s at 70 × g and collect the eluate.
4. Place the column in a new 2 mL microcentrifuge tube containing 30 µL neutralizing buffer (see step 1).
5. Centrifuge for 30 s at 70 × g and collect the second eluate.

Pack size

16 columns

Dimensions

127.8 × 85.5 × 30.6 mm

Column volume

800 µL

Material

Polypropylene and polyethylene

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.com

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA