

Protein A HP SpinTrap

Product Information

Cat#No# HP-047P

Product Overview

Protein A HP SpinTrap are designed for the enrichment of proteins of interest, immunoprecipitation and the purification of monoclonal and polyclonal antibodies from cell lysates and biological fluids. Contain Protein A Sepharose HP.

Description

Protein A 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 (protein of interest) to be eluted separately (cross-link protocol) or together with the antibody. There is also a protocol for efficient, small-scale purification of monoclonal and polyclonal antibodies from serum and cell culture supernatants in less than 20 min. No pretreatment of the sample is required.

Characteristic

For simple, small-scale antibody purification or enrichment of specific proteins in prepacked, single-use 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 provide high yield.

Prepacked* with Protein A Sepharose High Performance for coupling of antibodies of IgG subclasses.

Easy scale-up with HiTrap Protein A HP prepacked columns.

Applications

Enrichment of target proteins Purification of antibodies.

Sample preparation

600 μ l

Ligand Coupling Method

N-hydroxysuccinimide activation

Protein A HP SpinTrap

Matrix

Highly cross-linked agarose, 6%

Average particle size

34 μ m

Ligand

Native protein A

Ligand density

Approx. 3 mg protein A/mL medium

Dynamic binding capacity

> 1 mg human IgG well

pH working range

3–9

CIP stability

2–9

Temperature stability

4°C to 30°C

Storage

2 - 30°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



Protein A HP SpinTrap

Pack size

16 columns

Dimensions

127.8 × 85.5 × 30.6 mm

Column volume

800 µL

Material

Polypropylene and polyethylene
