

Protein G HP MultiTrap

Product Information

Cat#No# Pr-193P

Product Overview

Protein G Sepharose HP has high affinity for the Fc region of IgG from a variety of species.

Description

Protein G HP MultiTrap is designed for the enrichment of proteins of interest, immunoprecipitation, and the purification of monoclonal and polyclonal antibodies from cell lysates and biological fluids. Protein G HP MultiTrap are prepacked 96-well filter plates. Both products contain Protein G Sepharose High Performance. The spin columns and 96-well filter plates address the need for flexible, small-scale preparation of protein samples before downstream protein analyses such as gel electrophoresis, liquid chromatography, and LC-MS. When using the columns and plates for protein enrichment, an antibody of choice is first immobilized onto the Protein G media, and then used for the capture and enrichment of the protein of interest. The protein can be enriched several hundredfold, depending on the specificity of the antibody.

Characteristic

Fast, reliable ease-of-use format for small-scale purification of antibodies or enrichment of proteins of interest in prepacked 96-well filter plates that are ready to use.
Flexible format, protocol for classical elution as well as cross-linking method.
Formatted for elution for electrophoresis or LC-MS analysis workflows.
Fast binding kinetics and high capacity provides high yield.
Easy scale-up with HiTrap Protein G HP prepacked columns.
Prepacked with Protein G Sepharose High Performance for coupling of antibodies of IgG subclasses.
MultiTrap 96-well filter plates can be used with centrifugation or vacuum, manually or in automated robotic systems.

Applications

Centrifugation ; Vacuum

Ligand Coupling Method

N-hydroxysuccinimide activation

Protein G HP MultiTrap

Matrix

Highly cross-linked agarose, 6%

Average particle size

34 µm

Ligand

Protein G

Ligand density

Approx. 2 mg protein G/mL medium

Dynamic binding capacity

> 10 mg human IgG/mL medium

pH working range

3–9

CIP stability

2–9

Storage

2 -8°C, 20% Ethanol

Pack size

4

Dimensions

127.8 × 85.5 × 30.6 mm

Material

Polypropylene and polyethylene

Resin suspensions in total volumes

50 µl

Protein G HP MultiTrap

Centrifugation force recommended

<700 x g

Operating temp. max.

30°C

Operating temp. min.

4°C

Scale

Lab

Format

Prepacked 96-well plate
