

rProtein A GraviTrap

Product Information

Cat#No# rP-059P

Product Overview

rProtein A GraviTrap includes ten ready-to-use columns prepacked with 1 ml of rProtein A Sepharose Fast Flow.

Description

rProtein A GraviTrap are prepacked gravity-flow columns designed for fast and efficient manual purification of monoclonal and polyclonal antibodies, antibody fragments from cell culture supernatant, and biological fluids. The antibodies are simply captured with high specificity on protein A ligands in gravity-flow columns. You do not need any other instrument with this protocol because the entire process relies on the flow of gravity. The yield varies from 20 to 50 mg of purified antibodies depending on the ligand you use. The columns are reusable up to five times.

Characteristic

Prepacked gravity-flow columns provide convenience, save time, and increase the reliability of your results. Purification of antibodies in 30 min allows you to quickly obtain and store your target protein in order to avoid the inherent dangers of protein instability and degradation associated with slow and long purification runs. High purity and recovery with purity > 95% in one step and recovery typically 70% to 80%. High binding capacity such as rProtein A GraviTrap ~ 50 mg human IgG/column

Applications

Fast and efficient manual purification of monoclonal and polyclonal antibodies.

Matrix

Highly cross-linked agarose, 4%

Average particle size

90 μ m

Ligand

Protein A

rProtein A GraviTrap

Dynamic binding capacity

Approx. 50 mg human IgG/column

Temperature stability

Room temperature

Storage

2-8°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

Wash buffer

20 mM sodium phosphate, pH 7.0

Column volume

1 ml

Material

Polypropylene (PP) barrel, Polyethylene (PE) frits

Scale

Lab

Format

Prepacked columns