

Protein G GraviTrap antibody purification columns

Product Information

Cat#No# Pr-049P

Product Overview

Protein G GraviTrap includes ten columns with 1 mL of resin for general purpose purification of polyclonal and monoclonal antibodies from most species.

Description

Protein G GraviTrap is 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 and protein G 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

Broad binding specificity – binds a broad range of IgG species and subclasses from most species including rat.

High binding capacity – approximately 20 mg human IgG/mL resin.

Simple – GraviTrap prepacked gravity flow columns enable simple one-step purification of proteins in 30 min without the need for equipment.

Applications

Fast and efficient manual purification of monoclonal and polyclonal antibodies.

Matrix

Highly cross-linked agarose, 4%

Average particle size

90 μ m

Ligand

Recombinant Protein A and Protein G

Protein G GraviTrap antibody purification columns

Dynamic binding capacity

Approx. 20 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