

Protein G Magnetic Polymer Resin

Cat. # P5045-1, P5045-5, P5045-25

Introduction: Protein G magnetic resins contain a recombinant protein G covalently coupled on non-porous magnetic polymer resins. Recombinant protein G only contains the two Fc-binding domains of protein G, that can bind to antibodies from various mammalian species, including human, mouse, rabbit, pig, goat, sheep and dog. Protein G magnetic resins can be used for isolating antibodies from serum, cell culture supernatants or ascites, and for immunoprecipitation and co-immunoprecipitation of antigens from cell lysates or tissue extracts.

Comparing to agarose-based resins, non-porous magnetic polymer resins have much less non-specific binding, and suitable for rapid isolation and elution using a magnetic stand. See User's Manual (available on the product page of our website www.ubpbio.com) for protocols.

Packing Size: 1ml (Cat.# P5045-1), 5 ml (Cat.# P5045-5), 25 ml (Cat.# P5045-25)

Resin Material: Non-porous superparamagnetic polymer.

Resin Size: ~ 1 μ m

Resin Concentration: 10 mg/mL

Ligand: Recombinant protein G containing the Fc binding domains only, covalently coupled on resins.

Binding Capacity: ~ 50 μ g human IgG per mg resin, i.e., ~ 50 μ g human IgG per 100 μ L supplied resin (total resin volume including buffer).

Storage Buffer: 1X PBS, 0.01% Tween-20, 0.02% Sodium azide (NaN_3).

Storage Temperature: Store at 4 °C upon receiving.

Application: Antibody purification, immunoprecipitation, and co-immunoprecipitation.

Note:

1. Gently shake to resuspend the resins well before each use.
2. Users can use the resin concentration (10 mg/ml) and binding capacity (50 mg human IgG per mg resin) to calculate the amount of resins to be used in your experiments.
3. For immunoprecipitation with 2 -5 μ g antibody, we recommend to use 30 μ l supplied magnetic resin (total volume with buffer).

