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Protein A/G Magnetic Polymer Resin

Cat. # P5035-1, P5035-5, P5035-25

Introduction: Protein A/G magnetic resins contain recombinant protein A and G covalently coupled on non-porous magnetic polymer resins. Recombinant protein A and G only contain their respective Fc-binding domains, that can bind to antibodies from various mammalian species, including human, mouse, rabbit, pig, goat, sheep, and dog. Protein A/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 Mannual (available on the product page of our website www.ubpbio.com) for protocols.

Packing Size: 1ml (Cat.# P5035-1), 5 ml (Cat.# P5035-5), 25 ml (Cat.# P5035-25)

Resin Material: Non-porous superparamagnetic polymer.

Resin Size: ~1 µm

Resin Concentration: 10 mg/mL

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

Binding Capacity: ~50 µg human IgG per mg resin, i.e., ~50 µg human IgG per 100 µL 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 µg antibody, we recommend to use 30 µl supplied magnetic resin (total volume with buffer).