

Protein A/G-Sepharose

CATALOG #:	6503-1	1 ml
	6503-5	5 ml
	6503-25	25 ml
	6503-100	100 ml

PREPARATION: Protein A/G Sepharose is prepared by covalently coupling recombinant Protein A/G (contains five Ig-binding regions of protein A and three Ig-binding regions of protein G, Cat. 6502) to 6% cross-linked sepharose beads. The coupling was optimized to give a high binding capacity for IgG. The capacity of IgG binding could be greater than 20 mg of rabbit IgG per ml of wet gel.

CONTENTS: Supplied as 50% slurry in 20 % Ethanol/H₂O.
>1.5mg Protein A/G per ml Sepharose beads.

FEATURES: Binding capacity greater than 20 mg/ml of wet gel;
High flow rate;
Low falling off of rProtein A/G;
pH stability 2-10.

APPLICATIONS: Purification of monoclonal and polyclonal antibodies.

STORAGE: Store at 4°C. Do not freeze. Stable, as supplied, for at least 1 year.

Procedure Example:

1. Wash column with ddH₂O to remove air bubbles.
2. Fill column with protein A/G beads.
3. Wash the column with 5X volume of Binding Buffer.
4. Dilute serum sample with Binding Buffer (1:1 ratio).
5. Invert the diluted serum sample to mix well. Make sure no bubbles in the solution.
6. Pour the solution onto the column.
7. Collect the solution and repeat step 6 & 7 for 10 times.
8. Wash the column 4 – 5 times with Binding Buffer containing 0.5 M NaCl
9. Wash the column 4 - 5 times with the Binding Buffer.
10. Add Elution Buffer to elute IgG (0.5-1 ml each time).
11. Collect the eluent using microcentrifuge tube.
12. Assay protein concentration and combine the fractions containing sufficient amount of IgG.
13. To regenerate/store column:
 - a. Wash with 3 volumes of elution buffer.
 - b. Wash with 3 volumes of distilled water.
 - c. Store column in 20 % Ethanol/H₂O.

Buffer Example:

Binding buffer: 0.05 M sodium borate, 0.15 M sodium chloride pH 8.0

Elution buffer: 0.1 M citric acid, pH 2.75

RELATED PRODUCTS:

- Recombinant Protein A & Sepharose Beads
- Recombinant Protein G & Sepharose Beads
- Recombinant Protein L & Sepharose Beads
- Recombinant Protein A/G & Sepharose Beads
- Recombinant Protein A/G/L & Sepharose Beads
- Protein A Polyclonal Antibody
- Protein G Polyclonal Antibody
- Protein L Polyclonal Antibody

FOR RESEARCH USE ONLY! Not to be used on humans.