

Protein A/G/L-Sepharose

CATALOG #:	6541-1	1 ml
	6541-5	5 ml
	6541-25	25 ml
	6541-100	100 ml

LOT #: _____

PREPARATION: Protein A/G/L-Sepharose is prepared by covalently coupling recombinant Protein A/G/L (Cat.# 6540; containing five Ig-binding regions of protein L, five IgG binding domains from Protein A, and three Ig-binding regions of protein G. Cell wall binding regions, albumin binding regions and other non-specific binding regions have all been eliminated from the fusion protein to ensure the maximum specific IgG binding) to 6% cross-linked sepharose beads. The coupling technique is optimized to give a high binding capacity. The capacity of IgG binding could be greater than 10 mg of human IgG per ml of wet gel.

CONTENTS: Supplied as a 50% slurry in 0.01% Thimerosal/H₂O
>5 mg Protein A/G/L per ml of sepharose beads.

FEATURES: Protein A/G/L binds to all IgG subclasses from various mammalian species, including all IgGs that bind to Protein A, Protein G, and Protein L, individually, making it the ideal choice for purification of all kinds of polyclonal or monoclonal IgG antibodies. The binding capacity is greater than 10 mg/ml of gel; High flow rate; Low falling off of rProtein A/G/L; pH stability 2-10.

APPLICATIONS: Purification of monoclonal and polyclonal antibodies, Immunoprecipitation.

STORAGE: Store at 4°C. Do not freeze.

IgG PURIFICATION PROCEDURE EXAMPLE:

1. Wash column with ddH₂O to remove air bubbles.
2. Fill column with protein L 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 5-10 times with the Binding Buffer.
9. Add Elution Buffer to elute IgG.
10. Collect the eluent using microcentrifuge tube.
11. Repeat step 9 & 10 for 10 times.
12. Assay protein concentration and combine the fractions containing sufficient amount of IgG.

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