

Protein L-Sepharose

CATALOG #:	6531-1	1 ml
	6531-5	5 ml
	6531-25	25 ml
	6531-100	100 ml

LOT #: _____

PREPARATION: Protein L-Sepharose is prepared by covalently coupling recombinant Protein L (contains five Ig light chain binding domains, BV catalog # 6530-10) 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 L/ml of sepharose beads.

FEATURES: Binding capacity of human IgG is greater than 10 mg/ml of gel; High flow rate; Low falling off of rProtein L; pH stability 2-10.
Note: Protein L binds to all IgG subclasses from human, mouse and rat species. It also binds to human, mouse, and rat IgM, IgA, IgE, and IgD, as well as Fab and K light chains. Protein L is also superior for binding to chicken, Hamster and pig IgG.

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