



Protein L

Cat. No.	Form	Quantity
7500-01S	Purified (UNLB) Protein L	1.0 mg
7500-01L	Purified (UNLB) Protein L	5.0 mg
7500-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL

DESCRIPTION

- Source** Protein L, from *Peptostreptococcus magnus*, is recombinantly expressed in *E. coli*.
- Mr/Structure** 36-kDa. The recombinant protein contains four immunoglobulin (Ig) binding domains (B-domains) of the native protein.
- Specificity** Protein L binds Ig, primarily through kappa (κ) light chains, from a variety of sources. Protein L does not bind to bovine, sheep, goat or chicken Igs.

RESEARCH APPLICATIONS

Protein L-UNLB

- Affinity chromatography
- Immunoprecipitation

Protein L-HRP

- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- Immunoblotting
- Immunohistochemistry

CHARACTERIZATION

To insure lot-to-lot consistency, each batch of product is tested by FPLC and ELISA to conform to the characteristics of a standard reference reagent. Protein L-HRP is prepared using highly purified horseradish peroxidase (RZ > 3.0).

WORKING DILUTIONS

ELISA HRP conjugate 1:4,000-1:8,000

Other Applications: Since applications vary, you should determine the optimum working dilution of the product that is appropriate for your specific need.

HANDLING AND STORAGE

- The purified Protein L is supplied as either 1.0 mg or 5.0 mg in lyophilized form. *No BSA, preservatives or amine-containing buffer salts have been added.* Store up to one year at 2-8 °C; or after reconstitution in phosphate buffered saline to highest concentration possible, store up to one month at 2-8°C.
- Protein L-HRP conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS, pH 7.4. *No other preservatives have been added.* Store at 2-8°C or long-term at -20°C.
- Reagents are stable for the period shown on the label if stored as directed.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

REFERENCES

1. Akerstrom, B., and L. Bjorck. 1989. *J. Biol. Chem.* 264:19740.
2. Bjorck, L. 1988. *J. immunol.* 140:1194.
3. Kouki, T., T. Inui, H. Okabe, Y. Ochi, and Y. Kajita. 1997. *Immunol. Invest.* 26:399.
4. Tyutyulkova, S., and S. Paul. 1995. *Methods. Mol. Biol.* 51:395.
5. Nelson, B.H., L. Logdberg, W. Kastern, L. Bjorck, and B. Akerstrom. 1993. *J. Immunol. Methods* 164:33.