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## **Biotin-Protein L (Cat. No.: M00097)**

**Size:** 1 mg in 1 ml of storage buffer.

**Molar Ratio of Biotin/Protein L:** 7~10:1.

**Concentration:** 1 mg/ml in PBS (pH 7.4) containing 10 mg/ml BSA and 0.02% sodium azide.

**Description:** Protein L is a cell surface protein from *Peptostreptococcus magnus* that binds to the variable light chains (kappa chain) of immunoglobulins without interfering with antigen binding. In contrast to IgG-binding proteins, such as protein A and protein G, protein L can be used for the detection and purification of mammalian kappa light chain antibodies of all classes. Biotin-Protein L, which is produced by covalently linking biotin to protein L, can be used in immunodetections, such as immunoblotting (western or dot blot), ELISA, and immunohistochemistry.

**Storage:** Store at 4°C for short periods of time, one month or shorter. Aliquot and store at -20°C for longer periods. Avoid repeated freeze/thaw cycles. Prolonged storage may result in slight precipitation, so clarify the solution by centrifugation before use.

**Working Dilution:** Working concentrations for specific applications should be determined by titration assay. The chart below may serve as a useful guideline, but primary antibody, temperature, incubation time, the amount of antigen, and the sensitivity of the detection methods can all affect the ideal working concentration.

**Dot blot:** 1:2,000-1:20,000

**Western blot:** 1:2,000-1:20,000

**ELISA:** 1:20,000-1:100,000

**Other:** user-optimized

**For Research Use Only.**

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