

Biotin-Protein L (Cat. No. M00097)

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

Concentration: 0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 1% 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.

Reconstitution: Reconstitute the lyophilized product (1 mg) with 2 ml of deionized water (or equivalent) to the final concentration of 0.5 mg/ml.

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.

GenScript USA Inc.

860 Centennial Ave., Piscataway, NJ 08854

Tel: 732-885-9188

Fax: 732-210-0262, 732-885-5878

Email: info@genscript.com

Web: <http://www.Genscript.com>

860 Centennial Ave., Piscataway, NJ 08854, USA