
HRP-Protein L (Cat. No. M00098)

Size: 1 mg in 1 ml of storage buffer.

Molar Ratio of HRP/Protein L: 2:1.

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

Storage: Store at 4°C for short term (one-month). Aliquot and store at -20°C for longer storage. Avoid repeated freeze/thaw cycles. If slight precipitation occurs upon prolonged storage, clarify the solution by centrifugation before use.

Working Dilution: Working concentrations for specific applications should be determined by titration assay. Appropriate concentrations will be affected by several factors including primary antibody, antigen amount, sensitivity of detection method, temperature, and incubation time, etc. The following dilution ranges are just a guideline:

Dot blot: 1:2,000~1:20,000

Western blot: 1:2,000~1:20,000

ELISA: 1:20,000~1:200,000

Other Applications: user optimized.

For Research Use Only.

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