

Recombinant Peptostreptococcus RPL, His-tagged, Biotinylated

Cat. No. RPL-262P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Protein L (Biotinylated Protein L) was labeled with biotin based on Protein L Protein, which was produced in E.coli cells.?
Species	Peptostreptococcus magnus
Source	E.coli
Description	Protein L was isolated from the surface of bacterial species Peptostreptococcus magnus and was found to bind Ig(IgG,IgM,IgA,IgE and IgD) through L chain interaction, from which the name was suggested. Despite this wide-ranging binding capability with respect to Ig classes, Protein?L is not a universal immunoglobulin-binding protein. Binding of Protein?L to immunoglobulins is restricted to those containing kappa light chains (i.e., k?chain of the VL domain). In humans and mice, kappa (k) light chains predominate. The remaining immunoglobulins have lambda (l) light chains. The recombinant protein contains four immunoglobulin (Ig) binding domains (Bdomains) of the native protein. Besides antibody, protein L is also suitable for binding of a wide range of antibody fragments such as Fabs, single-chain variable fragments (scFv), and domain antibodies (Dabs).
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Trehalose are added as protectants before lyophilization.
Molecular Mass	Biotinylated Protein L, fused with the polyhistidine tag at N-terminus and a single

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cysteine at C-terminus. DTT-reduced protein migrates as a 36-38 kDa polypeptide .

Endotoxin	Less than 1.0 EU per µg of the Biotinylated Protein L by the LAL method.
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Purity	>95% as determined by reduced SDS-PAGE.
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Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).
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Conjugation	Biotin
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