

# Active Recombinant Peptostreptococcus magnus Protein L protein, Biotin/His-tagged

**Cat. No.** Protein L-8141P    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Peptostreptococcus magnus Protein L protein labeled with specially optimized long spacer biotin reagent and fused with the polyhistidine tag at N-terminus and a single cysteine at C-terminus was expressed in E. coli.                       |
| <b>Species</b>          | Peptostreptococcus magnus                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Trehalose are added as protectants before lyophilization.                                                                                                                               |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA. Immobilized Human IgG1 containing Kappa L chain at 5 µg/mL (100 µL/well) can bind Biotinylated Protein L Superior Sensitivity. The EC50 is typically 0.5-5 ng/mL.                                   |
| <b>Molecular Mass</b>   | DTT-reduced protein migrates as a 42-47 kDa polypeptide                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg of the Biotinylated Protein L by the LAL method.                                                                                                                                                                                   |
| <b>Purity</b>           | >95% as determined by reduced SDS-PAGE.                                                                                                                                                                                                                    |
| <b>Applications</b>     | Biotinylated Protein L can bind to VL-Kappa. The primary amine of Biotinylated Protein L was chemically labeled by specially optimized long spacer biotin reagent for detection in ELISA, dot blot or western blot using streptavidin or avidin-conjugated |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                    |                                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | prob                                                                                                                                                                                                          |
| <b>Storage</b>     | Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade). |
| <b>Conjugation</b> | Biotin                                                                                                                                                                                                        |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA