

Recombinant Protein L

Summary

Catalog No.	YXX08002
Alternative Names	Protein L, Peptostreptococcus magnus Protein L, PPL
Form	Lyophilized
Storage buffer	Lyophilized from a solution in PBS pH 7.4, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity	>90% as determined by SDS-PAGE.
Applications	Detection and purification of antibodies and antibody fragments (Fab, ScFv) that contain kappa light chains but not the Fc region.
Endotoxin level	Please contact with the lab for this information.
Expression system	E. coli
Protein length	Confidential
Nature	Recombinant
Predicted molecular weight	41.5 kDa
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for one week. Store at -20 to -80°C for twelve months from the date of receipt.
Reconstitution	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.
Species	Peptostreptococcus magnus

Shipping

In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

Note

For research use only.

Description

Protein L is a multi-domain protein found on the surface of *Peptostreptococcus magnus*, also known as *Peptostreptococcus magnus* Protein L (PPL). Unlike Protein A or Protein G, Protein L primarily binds to the kappa light chain of antibodies without interfering with the antigen-binding domain. This unique binding mechanism enables Protein L to interact with a broader range of antibody classes and subtypes, including human IgG, IgM, IgA, and IgD containing kappa light chains, as well as mouse IgG, IgM, rat IgG, Fab fragments, and single-chain variable fragments (scFv), among others.

Data Image
