
Product Data Sheet

Product Name: Protein-L
 Cat. No.: GP24244
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	SPL.		
Amino Acid Sequence	KEETPETPET DSEEEVTIKA NLIFANGSTQ TAEFKGTFEK ATSEAYAYAD TLKKDNGEYT VDVADKGYTL NIKFAGKEKT PEEPKEEVTI KANLIYADGK TQTAEFKGTF EEATAEAYRY ADALKKDNGE YTVDVADKGY TLNIKFAGKE KTPEEPKEEV TIKANLIYAD GKTQTAEFKG TFEEATAEAY RYADLLAKEN GKYTVDVADK GYTLNIKFAG KEKTPEEPKE EVTIKANLIY ADGKTQTAEF KGTFAEATAE AYRYADLLAK ENGKYTADLE DGGYTINIRF AGKKVDEKPE		
Solubility	It is recommended to reconstitute the lyophilized Protein-L in sterile water or saline not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Protein-L was lyophilized with no additives.		

Introduction

The recombinant Protein L is genetically engineered protein and holds 5 IgG-binding regions of protein L and it has the exclusive capability to bind through kappa light chain interactions without interfering with the antibody's antigen-binding site. Cell wall binding region, cell membrane binding region and albumin binding region were removed to ensure the highest specific IgG binding. The recombinant Protein L is perfect for purification of polyclonal or monoclonal IgG antibodies and it binds to human, mouse, rat and pig IgG.

Stability

Lyophilized Protein-L although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Protein-L should be stored at 4°C between 2-7 days and for future use below -18°C . For long term storage it is recommended to

Caution: Product has not been fully validated for medical applications. For research use only.

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add a carrier protein (0.1% HSA or BSA).

Background

Protein-L Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 365 amino acids and having a molecular mass of 40.5 kDa but it migrates with an apparent molecular mass of 45 kDa in SDS-PAGE.

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