9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Protein-L

Protein L Recombinant
RCP1721

Product Overview

Name	Protein-L

Description

Protein L Recombinant

Synonyms

SPL.

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Protein-L was lyophilized with no additives.

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 add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 97.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.

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

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DGGYTINIRF AGKKVDEKPE EKEQVTIKEN IYFEDGTVQT ATFKGTFAEA TAEAYRYADL LSKEHGKYTA DLEDGGYTIN IRFAG

Solubility

It is recommended to reconstitute the lyophilized Protein-L in sterile water or saline not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Protein-L is for research use only and not for use in diagnostic or therapeutic procedures.