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32-4513: Recombinant Protein L

Alternative Name : SPL.

Description

Source : Escherichia Coli. 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.The Protein-L is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 mg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Protein-L was lyophilized with no additives.
Storage condition :	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.
Amino Acid :	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 AGKKVDEKPEEKEQVTIKEN IYFEDGTVQT ATFKGTFAEA TAEAYRYADL LSKEHGKYTA DLEDGGYTIN IRFAG

Application Note

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

For Research Use Only. Not for use in diagnostic/therapeutics procedures.