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32-4516: Recombinant Cys-Protein-L

Description

Source : Escherichia Coli. Recombinant Protein-L produced in E.Coli is a single non-glycosylated polypeptide chain fused with a Cys at N-terminus. Protein-L is comprised of 5 IgG-binding regions of protein L (B1-B2-B3-B4-B5) containing 366 amino acids in total and having a molecular mass of 40.6kDa, however, it migrates with an apparent molecular mass of 46kDa on SDS-PAGE. Cell wall binding region, cell membrane binding region and albumin binding region have been eliminated from the recombinant Protein-L to guarantee the maximum specific IgG binding. The Recombinant Protein L is comprised of 5 kappa-binding domains. Protein L has the exceptional ability to bind through kappa light chain interactions without hindering with the antibody's antigen-binding site. This gives Protein L the capacity to bind a broader range of Ig classes and subclasses than other antibody-binding proteins. The recombinant Protein L is perfect for purification of polyclonal or monoclonal IgG antibodies. Protein L binds to IgG from humans, mice, rats and pigs.

Product Info

Amount :	10 mg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	Protein-L was lyophilized without any 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 :	CKEETPETPE TDSEEEVTIK ANLIFANGST QTAEFKGTFE KATSEAYAYA DTLKKDNGEY TVDVADKGYT LNIKFAGKEK TPEEPKEEVT IKANLIYADG KTQTAEFKGT FEEATAEAYR YADALKKDNG EYTVDVADKG YTLNIKFAGK EKTPEEPKEE VTIKANLIYA DGKTQTAEFK GTFEEATAEA YRYADLLAKE NGKYTVDVAD KGYTLNIKFA GKEKTPEEPK EEVTIKANLI YADGKTQTAE FKGTFAEATA EAYRYADLLA KENGKYTADL EDGGYTINIR FAGKKVDEKP EEKEQVTIKE NIYFEDGTVQ TATFKGTFAE ATAEAYRYAD LLSKEHGKYT ADLEDGGYTI NIRFAG.

Application Note

It is recommended to reconstitute the lyophilized Protein-L in sterile 18M-cm H2O not less than 0.1mg/ml, which can then be further diluted to other aqueous solutions.

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