

32-4520: Recombinant Cys-Protein A/G/L

Description

Source : Escherichia Coli. Recombinant Protein-A/G/L produced in E.Coli is a single non-glycosylated polypeptide chain fused with a Cys at N-terminus. Protein- A/G/L is comprised of 5 IgG-binding regions of Protein A (E-D-A-B-C), 2 of protein G (C1-C3) and 5 of Protein L (B1-B2-B3-B4-B5) containing 806 amino acids in total and having a molecular mass of 89.3kDa. Cell wall binding region, cell membrane binding region and albumin binding region have been eliminated from the recombinant Protein- A/G/L to guarantee the maximum specific IgG binding. The recombinant Protein A/G/L is a genetically engineered protein which combines the IgG binding profiles of all Protein A, Protein G and Protein L. Protein A/G/L is a gene fusion product. Recombinant fusion protein A/G/L is comprised of 5 Ig-binding regions of protein L (B1-B2-B3-B4-B5), 5 IgG binding domains from Protein A (E-D-A-B-C) and 2 Ig-binding region of protein G (C1-C3). The recombinant Protein A/G/L is ideal for purification of monoclonal or polyclonal IgG antibodies. Protein A/G/L binds to IgG from humans, mice, rats, cows, goats, sheep, rabbits, guinea pigs, pigs, dogs and cats.

Product Info

Amount :	10 mg
Purification :	Greater than 95.0% as determined by: (a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.
Content :	Protein- A/G/L was lyophilized without any additives.
Storage condition :	Lyophilized Protein-A/G/L although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Protein-A/G/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 :	CNAAQHDEAQ QNAFYQVLNM PNLNADQRNG FIQSLKDDPS QSANVLGAEQ KLNDSQAPKA DAQQNNFNKD QQSAFYEILN MPNLNEAQRN GFIQSLKDDP SQSTNVLGAE KKLNESQAPK ADNNFNKEQQ NAFYEILNMP NLNEEQRNGF IQSLKDDPSQ SANLLSEAKK LNESQAPKAD NKFNKEQQNA FYEILHLPNL NEEQRNGFIQ SLKDDPSQSA NLLAEAKKLN DAQAPKADNK FNKEQQNAFY EILHLPNLTE EQRNGFIQSL KDDPSVSKEI LAEAKKLNDA QAPKEEDSLE GSGSGTYKLI LNGKTLKGET TTEAVDAATA EKVFKQYAND NGVDGEWYD DATKTFTVTE KPEVIDASEL TPAVTTYKLV INGKTLKGET TTKAVDAETA EKAFKQYAND NGVDGVWYD DATKTFTVTE EPRARPGSGS GKEETPETPE TDSEEEVTIK ANLIFANGST QTAEFKGTFE KATSEAYAYA DTLKKDNGEY TVDVADKGYT LNIKFAGKEK TPEEPKEEVT IKANLIYADG KTQTAEFKGT FEEATAEAYR YADALKKDNG EYTVDVADKG YTLNIKFAGK EKTPEEPKEE VTIKANLIYA DGKTQTAEFK GTFEEATAEA YRYADLLAKE NGKYTVDVAD KGYTLNIKFA GKEKTPEEPK EEVTIKANLI YADGKTQTAE FKGTFEATA EAYRYADLLA KENGYTADL EDGGYTINIR FAGKKVDEKP EEKEQVTIKE NIYFEDGTVQ TATFKGTFAE ATAEAYRYAD LLSKEHGKYT ADLEDGGYTI NIRFAG.

Application Note

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