

RPPB4312

Product Information Protein Information

Product SKU:

RPPB4312

Host:

Escherichia Coli.

Protein description:

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Protein-L was lyophilized without any additives.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

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.

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.

Amino Acid Sequence:

CKEETPETPE TDSEEEVTIK ANLIFANGST QTAEFKGTFE KATSEAYAYA DTLKKNNGEY TVDVADKGYT
LNIKFAGKEK TPEEPKEEVT IKANLIYADG KTQTAEFKGT FEEATAEAYR YADALKKDNG EYTVDVADKG
YTLNIKFAGK EKTPEEPKEE VTIKANLIYA DGKTQTAEFK GFEEATAEA YRYADLLAKE NGKYTVDVAD
KGYTLNIKFA GKEKTPEEPK EEVTIKANLI YADGKTQTAE FKGTFAEATA EAYRYADLLA KENGKYTADL
EDGGYTINIR FAGKKVDEKP EEKEQVTIKE NIYFEDGTVQ TATFKGTFAE ATAEAYRYAD LLSKEHGKYT
ADLEDGGYTI NIRFAG.