

RPPB4305

Product Information Protein Information

Product SKU:

RPPB4305

Host:

Escherichia Coli.

Protein description:

Protein-A/G Recombinant produced in E.Coli is a single non-glycosylated polypeptide chain fused with a Cys at N-terminus. Protein-A/G is comprised of 5 IgG-binding regions of protein A (E-D-A-B-C) and 2 of protein G (C1-C3) containing 430 amino acids in total and having a molecular mass of 47.8kDa. Cell wall binding region, cell membrane binding region and albumin binding region have been eliminated from the recombinant Protein A/G to guarantee the maximum specific IgG binding.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Protein-A/G was lyophilized without any additives.

Purity:

Greater than 96.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

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

Stability:

Lyophilized Protein-A/G although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Protein-A/G 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:

CNAAQHDEAQ QNAFYQVLNM PNLNADQRNG FIQSLKDDPS QSANVLGEAQ KLNDSQAPKA
DAQQNNFNKD QQSFAFYELN MPNLNEAQRN GFIQSLKDDP SQSTNVLGEA KKLNESQAPK ADNNFNKEQQ
NAFYEILNMP NLNEEQRNGF IQSLKDDPSQ SANLLSEAKK LNESQAPKAD NKFNKEQQNA FYEILHLPNL
NEEQRNGFIQ SLKDDPSQSA NLLAEAKKLN DAQAPKADNK FNKEQQNAFY EILHLPNLTE EQRNGFIQSL
KDDPSVSKEI LAEAKKLNDA QAPKEEDSLE GSGSGTYKLI LNGKTLKGET TTEAVDAATA EKVFQYAND
NGVDGEWTYD DATKTFTVTE KPEVIDASEL TPAVTYKLV INGKTLKGET TTKAVDAETA EKAFKQYAND
NGVDGVWTYD DATKTFTVTE.