Recombinant Staphylococcus protein A

Cat. No. Protein A-253S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Staphylococcus protein A(P02976) was expressed in E.coli.
Species	Staphylococcus
Source	E.coli
Form	Lyophilized from additive free solution.
Specificity	The recombinant Protein A is a genetically engineered protein containing 5 IgG-binding regions of protein A. Cell wall binding region, cell membrane binding region and albumin binding region have been removed from the recombinant Protein A to ensure the maximum specific IgG binding. The recombinant Protein A is ideal for purification of polyclonal or monoclonal IgG antibodies. Protein A binds to various human, mouse and rat IgG subclasses (e.g., human IgG1, IgG2, IgG4; mouse IgG2a, IgG2b, IgG3; rat IgG2c). It also binds to total IgG from rabbit, guinea pig, pig, dog and cat.
Molecular Mass	Approximately 33.4 kDa, a single non-glycosylated polypeptide chain containing 296 amino acids.
AASequence	NAAQHDEAQQ NAFYQVLNMP NLNADQRNGF IQSLKDDPSQ SANVLGEAQK LNDSQAPKAD AQQNNFNKDQ QSAFYEILNM PNLNEAQRNG FIQSLKDDPS QSTNVLGEAK KLNESQAPKA DNNFNKEQQN AFYEILNMPN LNEEQRNGFI QSLKDDPSQS ANLLSEAKKL NESQAPKADN KFNKEQQNAF YEILHLPNLN EEQRNGFIQS LKDDPSQSAN LLAEAKKLND AQAPKADNKF NKEQQNAFYE

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	ILHLPNLTEE QRNGFIQSLK DDPSVSKEIL AEAKKLNDAQ APKEED
Endotoxin	Less than 0.1 EU/μg of Protein A as determined by LAL method.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Concentration	4.48 mg/ml
Reconstitution	Dissolve in distilled water or saline.
SDS-PAGE	

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