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SPA 33.4kDa

Staphylococcal Protein-A 33.4kDa Recombinant
RCP2205

Product Overview

Name	SPA 33.4kDa

Description

Staphylococcal Protein-A 33.4kDa Recombinant

Accession (Primary)	P38507

Synonyms

Immunoglobulin G-binding protein A, IgG-binding protein A, Staphylococcal protein A, SPA.

Introduction

Protein A is a cell wall component produced by several strains of Staphylococcus aureus. The recombinant Protein A is genetically engineered protein and holds 5 IgG-binding regions of protein A. Recombinant Protein A functions basically the same as native Protein A and is perfect for purification of polyclonal or monoclonal IgG antibodies. Protein A binds to human IgG1, IgG2 and IgG4, mouse IgG2a, IgG2b and IgG3 and rat IgG2c. Protein A also binds to total IgG from rabbit, pig, dog, cat, and guinea pig.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

SPA protein was lyophilized with no additives.

Stability

Lyophilized SPA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SPA 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.

Purity

Greater than 97.0% as determined by: (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

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 ILHLPNLTEE QRNGFIQSLK DDPSVSKEIL AEAKKLNDAQ APKEED.

Solubility

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

Precautions

SPA 33.4kDa is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P38507)