9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SPA, His

Staphylococcal Protein-A Recombinant, His Tag
RCP2207

Product Overview

Name	SPA, His
Description	
Staphylococcal Protein-A Recombinant, His Tag	
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	
MNAAQHDEAQ QNAFYQVLNM PNLNADQRNG FIQSLKDDPS QSANVLGEAQ KLNDSQAPKA DAQQNNFNKD QQSAFYEILN MPNLNEAQRN GFIQSLKDDP SQSTNVLGEA KKLNESQAPK ADNNFNKEQQ NAFYEILNMP NLNEEQRNGF IQSLKDDPSQ SANLLSEAKK LNESQAPKAD NKFNKEQQNA FYEILHLPNL NEEQRNGFIQ	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SLKDDPSQSA NLLAEAKKLN DAQAPKADNK FNKEQQNAFY EILHLPNLTE EQRNGFIQSL KDDPSVSKEI LAEAKKLNDA QAPKEEDSLE HHHHHH .

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, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P38507)