9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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SPA Long

Staphylococcal Protein-A Long Form Recombinant
RCP2206

Product Overview

Name	SPA Long
Description	
Staphylococcal Protein-A Long Form 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	
AQHDEAQQNA FYQVLNMPNL NADQRNGFIQ SLKDDPSQSA NVLGEAQKLN DSQAPKADAQ QNNFNKDQQS AFYEILNMPN LNEAQRNGFI QSLKDDPSQS TNVLGEAKKL NESQAPKADN NFNKEQQNAF YEILNMPNLN EEQRNGFIQS LKDDPSQSAN LLSEAKKLNE SQAPKADNKF NKEQQNAFYE ILHLPNLNEE QRNGFIQSLK	

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DDPSQSANLL AEAKKLNDAQ APKADNKFNK EQQNAFYEIL HLPNLTEEQR NGFIQSLKDD PSVSKEILAE AKKLNDAQAP KEEDNKKPGK EDGNKPGKED GNKPGKEDNK KPGKEDGNKP GKEDNNKPGK EDGNKPGKED NNKPGKEDGN KPGKEDGNKP GKEDGNGVHV VKPGDTVNDI AKANGTTADK IAADNKLADK NMIKPGQELV VD.

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

Target Information: (P38507)