

32-4930: Recombinant Staphylococcal Protein-A

Alternative Name : Immunoglobulin G-binding protein A,IgG-binding protein A,Staphylococcal protein A,SPA.

Description

Source : Escherichia Coli. Recombinant Staphylococcal Protein A produced in E.Coli is a non-glycosylated, Polypeptide chain having a molecular mass of 45 kDa.Recombinant Staphylococcal Protein A is purified by proprietary chromatographic techniques. Protein A is a cell wall protein deriving from Staphylococcus aureus which exhibits unique binding properties for IgG from a variety of mammalian species and for some IgM and IgA as well. It binds with the Fc region of immunoglobulins through interaction with the heavy chain. It couples to a wide variety of reporter molecules including fluorescent dyes, enzyme markers, biotin, colloidal gold and radioactive iodine without affecting the antibody binding site. Recombinant Protein A was developed to increase the specificity of the molecule for IgG and is widely used both in research and bioprocessing. The recombinant protein A is produced by expressing a modified protein A gene in E.coli. A specific purification process with strict quality control was taken to get the recombinant protein A with the purity of more than 98% , no human IgG affinity step is used during validated fermentation and purification and devoid of bacterial contaminant found normally in native Protein A. (Free of Staphylococcus endotoxins and hemolysin).

Product Info

Amount :	100 mg
Purification :	Greater than 95.0% as determined by RP-HPLC.
Content :	The protein solution contains no additives.
Storage condition :	SPA should be stored at -20°C.

Application Note

Greater than 95.0% binding activity to human IgG.