

## 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

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

### Application Note

Greater than 95.0% binding activity to human IgG.

