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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Recombinant Staphylococcal Protein-A

CLPRO356
CLPRO356-2
CLPRO356-3

Introduction: 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).

Description: 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.

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

Source: *Escherichia Coli*.

Presentation: 10 mg (**CLPRO356**), 100 mg (**CLPRO356-2**), or 1 g (**CLPRO356-3**), sterile filtered clear colorless solution. The protein solution contains no additives.

Stability: SPA should be stored at -20°C.

Purity: Greater than 95.0% as determined by RP-HPLC.

Activity: Greater than 95.0% binding activity to human IgG.

Laboratory Reagent For Research Use Only

MW 09/03/19

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