



Protein A Antibody HRP Conjugated

1. Product Information

Product Name	Catalog#	Size
Protein A Antibody HRP Conjugated	NEGEP0890-Ab	100µg

2. Product Description

Type	Rabbit polyclonal antibody IgG
Reactive Species	S.aureus
Physical Property	Liquid
Immunogen	Recombinant protein A: full length
Purification Method	Protein A Affinity Chromatography
Components	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol
Concentration	1mg/ml
Storage	-20°C, It is recommended to aliquot the product to prevent repeated freeze -
Applications	ELISA, WB
Shelf Life	2 Years

3. Storage and Transportation

Transport at 2-8°C, store at -20°C from the date of receipt.

4. Notes

This product is for research use only. Please wear laboratory attire and disposable gloves when handling.

5. Product Introduction

Staphylococcal Protein A (Protein A) is a 42kDa MSCRAMM (Microbial Surface Components Recognizing Adhesive Matrix Molecules) originally identified on the cell wall of *Staphylococcus aureus*. Owing to its high affinity and specificity for the Fc region of antibodies, Protein A is widely used in the biopharmaceutical industry for large-scale antibody production. In biopharmaceutical production, Protein A used for antibody production is typically immobilized on chromatography resins. However, trace amounts may leach into the eluate, potentially contaminating the final antibody product. Protein A can interact with multiple host components, suggesting a potential role as a virulence factor in *Staphylococcus aureus* infections.

Accordingly, the *Chinese Pharmacopoeia* requires strict monitoring of residual Protein A.

To ensure the quality of antibodies purified by Protein A affinity chromatography, anti-Protein A antibodies and ELISA kits have been developed.

In ELISA assays, this antibody binds specifically to Protein A and is suitable for detecting residual Protein A in therapeutic proteins and during antibody purification.