

Native Staphylococcus aureus Protein A ab7399

4 References

Description

Product name	Native Staphylococcus aureus Protein A
Purity	> 95 % SDS-PAGE.
Expression system	Native
Accession	<u>P38507</u>
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Staphylococcus aureus
Predicted molecular weight	56 kDa

Specifications

Our **Abpromise guarantee** covers the use of **ab7399** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot
Form	Liquid
Additional notes	Molecular Weight: 42,000 daltons Extinction Coefficient: 0.1% at 280 nm is 0.14 (E ^{0.1%} of 0.14)

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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General Info

Relevance	Protein A is a surface protein of S.aureus which binds IgG molecules by their Fc region. In serum, the bacteria will bind IgG molecules in the wrong orientation on their surface which hinders
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opsonization and phagocytosis. Mutants of *S. aureus* lacking protein A are more efficiently phagocytosed in vitro, and mutants in infection models have diminished virulence. Due to its affinity for the Fc region of many mammalian immunoglobulins, protein A is considered a universal reagent in biochemistry and immunology.

Cellular localization

Secreted; cell wall.

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