**Product datasheet**

**Anti-Staphylococcus aureus antibody ab73962**

1 References

**Overview**

**Product name**  
Anti-Staphylococcus aureus antibody

**Description**  
Chicken polyclonal to Staphylococcus aureus

**Host species**  
Chicken

**Specificity**  
This antibody is recognizing both, native and recombinant Protein A, from various sources. Product has not been analyzed strain-specifically.

**Tested applications**  
Suitable for: WB, ELISA

**Species reactivity**  
Reacts with: Staphylococcus aureus

**Immunogen**  
Purified full length recombinant Staphylococcal Protein A

**Properties**

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

**Storage buffer**  
Preservative: 0.1% Sodium azide  
Constituent: 0.9% Sodium chloride

**Purity**  
IgY fraction

**Purification notes**  
The IgY fraction is isolated by a two step PEG precipitation procedure followed by ammonium sulphate precipitation.

**Clonality**  
Polyclonal

**Isotype**  
IgY

**Applications**

Our Abpromise guarantee covers the use of ab73962 in the following tested applications.

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

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**Application notes**

- ELISA: 1/5000.
- One precipitin arc in immunodiffusion against Staphylococcal Protein A.
- Not yet tested in other applications.
- Optimal dilutions/concentrations should be determined by the end user.

**Target**

**Relevance**

S. aureus binds IgG molecules by their Fc region. In serum, the bacteria will bind IgG molecules in the wrong orientation on their surface, which hinders 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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