Product datasheet

Anti-Protein A antibody ab19483

1 References

Overview

Product name: Anti-Protein A antibody
Description: Chicken polyclonal to Protein A
Host species: Chicken
Tested applications: Suitable for: Sandwich ELISA, WB
Immunogen: Recombinant full length protein corresponding to Staphylococcus aureus Protein A.
Database link: P02976

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: pH: 7.20
Preservative: 0.1% Sodium azide
Constituent: PBS
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgY

Applications

Our Abpromise guarantee covers the use of ab19483 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Sandwich ELISA</td>
<td>Use at an assay dependent concentration.</td>
<td>ab19483 can work in direct ELISA, but not indirect ELISA (because any secondary antibody would bind to protein A directly as well as the primary antibody, thus leading to high background – due to the nature of protein A). ab18596 as detection antibody for sELISA.</td>
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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 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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