Product datasheet

Anti-Protein A antibody ab181627

1 References 1 Image

Overview

Product name: Anti-Protein A antibody
Description: Goat polyclonal to Protein A
Host species: Goat
Tested applications: Suitable for: IHC-P, WB
Immunogen: Full length native protein (purified) corresponding to Protein A.
Database link: P02976
Positive control: Protein A

Properties

Form: Liquid
Storage buffer: pH: 7.20
Preservative: 0.01% Sodium azide
 Constituents: 0.27% Potassium phosphate, 0.88% Sodium chloride
Purity: IgG fraction
Purification notes: ab181627 was purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab181627 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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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<td>IHC-P</td>
<td>1/1000 - 1/5000.</td>
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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 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.

Images

Western blot - Anti-Protein A antibody (ab181627)

All lanes: Anti-Protein A antibody (ab181627) at 1/5000 dilution

Lane 1: Protein A reduced at 1 µg
Lane 2: Protein A reduced at 0.25 µg
Lane 3: Protein A non reduced at 1 µg
Lane 4: Protein A non reduced at 0.25 µg

Secondary

All lanes: DyLight™ 649 donkey anti-goat (pre-adsorbed) secondary antibody at 1/10000 dilution

Predicted band size: 56 kDa
Observed band size: 50 kDa

why is the actual band size different from the predicted?

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