Product datasheet

Anti-Pseudomonas aeruginosa antibody [B11] ab35835

3 References

Overview

Product name Anti-Pseudomonas aeruginosa antibody [B11]
Description Mouse monoclonal [B11] to Pseudomonas aeruginosa
Host species Mouse
Tested applications Suitable for: ELISA
Species reactivity Reacts with: Other species
Immunogen Purified outer membrane protein of Pseudomonas aeruginosa.

Properties

Form Liquid
Storage instructions Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer pH: 7.40
Preservative: 0.09% Sodium azide
Constituent: PBS
Purity Protein A purified
Clonality Monoclonal
Clone number B11
Isotype IgG2a

Applications

Our Abpromise guarantee covers the use of ab35835 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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<tr>
<td>ELISA</td>
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<td>1/250 - 1/1000.</td>
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Target
Relevance

Pseudomonas aeruginosa is Gram-negative, aerobic, rod-shaped bacteria with unipolar motility. An opportunistic human pathogen, P. aeruginosa is also an opportunistic pathogen of plants. P. aeruginosa bacteria are clinically important because they are resistant to most antibiotics and they are capable of surviving in conditions that few other organisms can tolerate. Pseudomonas is often encountered in hospital and clinical work because it is a major cause of hospital acquired (nosocomal) infections. Its main targets are immunocompromised individuals, burn victims, and individuals on respirators or with indwelling catheters. Additionally, these pathogens colonize the lungs of cystic fibrosis patients. P. aeruginosa is often identified by its pearlescent appearance and grape-like odor in vitro. Definitive clinical identification of P. aeruginosa includes identifying the production of both pyocyanin and fluorescein as well as its ability to grow at 42°C. P. aeruginosa is capable of growth in diesel and jet fuel, where it is known as hydrocarbon utilizing microorganisms (or "HUM bugs"), causing microbial corrosion. It creates dark gellish mats sometimes improperly called "algae".

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