abcam

Product datasheet

Anti-Pseudomonas aeruginosa antibody [B11] ab35835

4 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:** Pseudomonas aeruginosa
Immunogen	Purified outer membrane protein of Pseudomonas aeruginosa.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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

The Abpromise guarantee	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.

Application	Abreviews	Notes
ELISA		1/250 - 1/1000.

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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- Response to your inquiry within 24 hours
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