abcam

Product datasheet

Natural Mycoplasma pneumoniae protein ab124007

Overview

Product name	Natural Mycoplasma pneumoniae protein
Protein length	Full length protein

Description

Nature	Native
Source	Native

Amino Acid Sequence

Specifications

Our Abpromise guarantee covers the use of **ab124007** in the following tested applications.

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

Applications	ELISA
Form	Liquid
Additional notes	This protein is derived from a pathogenic organism, and may be involved in a disease process, consequently exposure may have adverse health effects. This protein is derived from mycoplasma pneumoniae grown in lab culture then purified and inactivated by detergent extraction. This Mycoplasma pneumoniae antigen is a detergent extraction of native organism. This results in a mixture of surface proteins in 2% OGP detergent. P1 protein should be present and enriched but is not the sole protein in the antigen mix.

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. Constituent: 99% PBS Note: Contains detergent.

General Info

Relevance

Mycoplasma pneumoniae is a very small bacterium, a member of the class Mollicutes, meaning soft skin. Along with the other members of this class (Acholeplasma, Anaeroplasma, Asteroleplasma, Spiroplasma, and Ureaplasma) Mycoplasma are characterized by their unusually small genome as well as their complete lack of a bacterial cell wall. M. pneumoniae is a common cause of mild pneumonia and usually affects people younger than 40. Various studies suggest that it causes 15 to 50% of all pneumonia in adults and an even higher percentage of pneumonia in school aged children. Beta lactam antibiotics such as penicillin and cycloserine are ineffective as they act specifically to disrupt the cell wall so alternative antibiotic therapies such as the use of polyenes may be required. People at highest risk of mycoplasma pneumonia infection include those living or working in crowded areas such as schools and homeless shelters, although many people who become infected have no identifiable risk factor. M. pneumoniae can be detected via serology, PCR or in cell culture assays.

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- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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