

Rabbit Anti-Mycoplasma pneumoniae Polyclonal Antibody

Rabbit, Polyclonal (Mycoplasma pneumoniae)

Cat. No. DPAB1441

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Rabbit Antibody to Mycoplasma pneumoniae Fluorescein conjugated

Immunogen: Purified M. pneumoniae

Specificity: All antigens. Has not been absorbed and may react with related microorganisms. Not reactive with bovine or human sera.

Host animal: Rabbit

Format: FITC, Liquid

Purification: Protein A purified IgG fraction covalently coupled with high purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.

Applications: Direct FA staining of target antigens in a permissive tissue culture system. Acetone fixation of the antigen source is recommended prior to staining. Enzyme amplification following reaction with FITC conjugate can also be accomplished utilizing enzyme-antibody conjugates specific to FITC. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

REFERENCES

1. Dajani, A.S.; W.A. Clyde Jr. and F.W. Denny (1965). "Experimental infection with Mycoplasma pneumoniae (Eaton's agent)". The Journal of Experimental Medicine 121: 1071–1086.
2. Eaton MD, Meiklejohn G, van Herrick W, Corey M (1945). "Studies on the etiology of primary atypical pneumonia. II. Properties of the virus isolated and propagated in chick embryos". J. Exp. Med. 82 (5): 329–342.

BACKGROUND

Introduction: Mycoplasma pneumoniae is a very small bacterium in the class Mollicutes. It causes the disease mycoplasma pneumonia, a form of atypical bacterial pneumonia, and is related to cold agglutinin disease.

Keywords: bacterial pneumonia; M. pneumoniae; Firmicutes; Mollicutes; Mycoplasmatales; Mycoplasmataceae; Mycoplasma; Mycoplasma pneumoniae

PACKAGING

Concentration: 4-5mg/ml (OD280nm, E^{0.1%}=1.4)

Buffer: 0.01M PBS, pH 7.2 containing 10mg/ml BSA.

Preservative: 0.1% Sodium Azide

Storage: Short term (up to 6 months) store at 2-8°C under subdued light. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Warning: This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

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