

Product Datasheet

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Anti-Alginate, Pseudomonas-Reactive [Clone 4B10-1C5]

Monoclonal

Product Information

Product No.: 15726
Clone: 4B10-1C5
Isotype: Mouse Mouse IgG1

Product Description

Specificity:
Mouse Monoclonal Antibody specific to Alginate

Background:
Pulmonary infection by mucoid, alginate-producing *Pseudomonas aeruginosa* is the leading cause of mortality among patients suffering from cystic fibrosis. During early childhood, cystic fibrosis patients are colonized by multiple bacterial pathogens including nonmucoid *P. aeruginosa*. The appearance of mucoid isolates indicates progression to chronic infections. Recent evidence indicates that *P. aeruginosa* is most resistant to antibiotics when the infecting cells are present as a biofilm, as they appear to be in the lungs of cystic fibrosis patients.

Known Reactivity Species:
Pseudomonas

Format:
Purified

Immunogen:
Sodium alginate conjugated to KLH

Formulation
PBS, pH 7.4, 50% glycerol, 0.1% sodium azide.

Storage and Stability
This antibody is stable for at least one (1) year at -20°C. **Avoid multiple freeze-thaw cycles.**

Product Preparation
Purified by Protein G affinity chromatography

Applications
Applications and Recommended Usage (Quality Tested By Leinco):

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

410 Axminster Dr, St. Louis, MO 63026

(800) 538-1145

leincoglobal@leinco.com

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ELISA: Use at 0.5-20ug/ml with alginate on the solid phase. Working concentrations for these antibodies are dependent on the purity and concentration of alginate in samples tested.

Country of Origin

USA

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