

BP2021B**Polyclonal Antibody to Legionella pneumophila - Biotin****Quantity:**

1 ml

Concentration:

4-5 mg/ml (OD280 nm, E0.1% = 1.4)

Background:

Legionella pneumophila is a flagellated gram negative bacterium found primarily in warm water environments. *Legionella pneumophila* causes a type of pneumonia called Legionnaire disease and a milder condition called Pontiac fever. Infection is acquired through inhalation of the microorganism in water mists (e.g. from air conditioning, cooling towers, whirlpool spas and showers mists). A number of risk factors for acquiring Legionnaire disease have been identified, including age, smoking, chronic lung disease, cancer, and immunosuppression.

Host:

Rabbit

Immunogen:A whole cell preparation of *Legionella pneumophila*; ATCC #33152**Format:****State:** Liquid purified Ig fraction.**Buffer System:** 0.01 M PBS, pH 7.2**Preservatives:** 0.09% Sodium Azide**Stabilizers:** None**Label:** Biotin – IgG fraction is covalently coupled with the N-Hydroxysuccinimide ester of under mild conditions to give a high degree of substitution**Applications:****Fluorescence microscopy** (Titer > 1/800 by indirect IFA with acetone-fixed organisms).**Immunoblotting.****ELISA.**

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:Reacts with *L. pneumophila* serogroups 1-12.

Recognizes all antigens of intact microorganism. Antiserum is not absorbed and may crossreact with related microorganisms.

Storage:

Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.