



## Anti-L. pneumophila Polyclonal antibody (DPAB1395)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Specificity</b>	Reacts with L. pneumophila serogroups 1-12 in IFA. Recognizes all antigens of intact microorganism. Not absorbed and may cross-react with related microorganisms.
<b>Target</b>	L. pneumophila
<b>Immunogen</b>	A whole cell preparation of Legionella pneumophila; ATCC #33152
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	L. pneumophila
<b>Purification</b>	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.
<b>Conjugate</b>	FITC
<b>Applications</b>	Suitable for use in direct IFA. 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.
<b>Concentration</b>	4-5 mg/ml (OD280nm, E0.1% = 1.4)
<b>Size</b>	1 ml
<b>Buffer</b>	0.01M PBS, pH 7.2 containing 10mg/ml BSA
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	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.

# BACKGROUND

## Introduction

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.

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## Keywords

Proteobacteria; Gamma Proteobacteria; Legionellales; Legionellaceae; Legionella; L. pneumophila; Legionella pneumophila Fluorescein

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