

Antibody Datasheet

Product Name:	Mouse anti <i>Legionella pneumophila</i>
Clone number:	LN29
Isotype:	Mouse IgG _{2b}
Product code:	MAB12152-100
Batch Number:	
Amount:	0.1mg
Concentration:	1 mg/ml
Buffer:	Phosphate Buffered Saline pH7.4
Preservative:	0.09% Sodium Azide (NaN ₃)
Purification:	The antibody was purified by affinity chromatography on protein A
Specificity:	This antibody is specific for <i>Legionella</i> detection.
Applications:	ELISA

Antigen background: *Legionella pneumophila* is a gram-negative, non-encapsulated bacterium of the genus *Legionella*, a member of the family *Legionellaceae*. In nature, *L. pneumophila* naturally exists in fresh water environments and infects protozoa, which are natural hosts for *L. pneumophila*. However, the development and increased use man made water systems such as air-conditioning systems, fountains, hot tubs and showers has enabled *L. pneumophila* to successfully thrive and infect susceptible humans through water droplets produced by these systems.

L. pneumophila is an opportunistic intracellular pathogen that was first recognised in a group of individuals, presenting with a lung infection, who had attended a



convention in Philadelphia in 1976. It is the causative agent of a severe type of pneumonia referred to as Legionnaires' disease. The symptoms of Legionnaires' disease include shortness of breath, cough, headache, fever and muscle ache, which can occur 2 – 10 days after exposure. Complications associated with infection may result in death. *L. pneumophila* may also cause a mild form of disease known as Pontiac fever, which is self-limiting and doesn't require hospitalisation ([CDC](#)). Both forms of the disease may also be referred to as Legionellosis.

References: Centers for Disease Control and Prevention: Legionella (Legionnaires' disease and Pontiac fever).

Storage: Store at +4⁰C for up to three months, or at -20⁰C for longer.
The Antibody is shipped at ambient temperature.
Avoid repeated freeze/thaw cycles.

