

## Antibody Datasheet

|                       |   |
|-----------------------|---|
| <b>Product Name:</b>  | Mouse anti <i>Legionella pneumophila</i>                          |
| <b>Clone number:</b>  | LN14  |
| <b>Isotype:</b>       | Mouse IgG <sub>3</sub>  |
| <b>Product code:</b>  | MAB12151-100  |
| <b>Batch Number:</b>  |   |
| <b>Amount:</b>        | 0.1mg   |
| <b>Concentration:</b> | 1 mg/ml   |
| <b>Buffer:</b>        | Phosphate Buffered Saline pH7.4                                   |
| <b>Preservative:</b>  | 0.09% Sodium Azide (NaN <sub>3</sub> )                            |
| <b>Purification:</b>  | The antibody was purified by affinity chromatography on protein A |
| <b>Specificity:</b>   | This antibody is specific for legionella detection.               |
| <b>Applications:</b>  | 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 +4<sup>0</sup>C for up to three months, or at -20<sup>0</sup>C for longer.  
The Antibody is shipped at ambient temperature.  
Avoid repeated freeze/thaw cycles.

