

Anti-*Listeria*, flagella

Hybridoma Monoclonal Antibody

Product Information

Product No.:	L327
Clone:	LIST-8537
Isotype:	Mouse IgG2b

Product Description

Specificity:

Anti-*Listeria* (Clone LIST-8537) is specific for the flagella of various *Listeria* species including *L. monocytogenes* (serotypes 1/2a, 1/2b, 3b, 1/2c, 3a, 4a, 4b, 4c, 4d, 4e), *L. innocua*, *L. ivanovii*, *L. welshimeri*, and *L. seeligeri*. It is non-reactive with *Staph aureus*, *Staph epidermidis*, *P. aeruginosa*, *C. jejuni*, *B. subtilis*, *Salmonella*, and *E. coli*.

Background:

Listeria is a genus of Gram-positive, rod-shaped bacteria that includes the species *Listeria monocytogenes*, the primary pathogenic member responsible for causing listeriosis in humans. Unlike many other bacteria, *Listeria* is capable of growing and reproducing in a wide range of environments, including both refrigerated and room temperatures. This adaptability contributes to its potential for contaminating various foods, leading to foodborne outbreaks. *Listeria monocytogenes* is known for its ability to survive and replicate within host cells, enabling it to cross intestinal and placental barriers, resulting in diverse clinical manifestations. While healthy individuals might experience mild or no symptoms, listeriosis can lead to severe illness in vulnerable populations, such as pregnant women, newborns, the elderly, and immunocompromised individuals.¹

Known Reactivity Species:

Listeria sp.

Format:

Purified

Formulation

Formulated in 0.01 M phosphate buffered saline, pH 7.2 and contains 0.1% sodium azide. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Purity

≥90%

Storage and Stability

This purified antibody is stable when stored at 2-8°C. **Do not freeze.**

Product Preparation

This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations.

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

Product Datasheet

www.leinco.com



Applications

Applications and Recommended Usage (Quality Tested By Leinco):

ELISA: 1:20-1:200,

IF: 1:10-1:50

Country of Origin

USA

References

1. Centers for Disease Control and Prevention, National Center for Emerging and Zoonotic Infectious Diseases (NCEZID), Division of Foodborne, Waterborne, and Environmental Diseases. [Link](#)

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