

Listeria monocytogenes (LZA2): sc-52057

BACKGROUND

The genus *Listeria* includes the species *Listeria monocytogenes*, a gram-positive bacterium that is motile by means of flagella, though it can also move inside of eukaryotic cells by polymerizing actin comet tails with a protein called ActA. *L. monocytogenes* is the only species of the genus *Listeria* that has been clearly documented as a pathogen for humans. It is food-borne, intracellular, and interacts with infected host cells both prior to entry and during the intracellular phase of infection. Uptake by the host cell is stimulated by the binding of listerial internalins (InI) to host cell adhesion factors such as E-cadherin or Met, which then exploits the junction forming-apparatus of the host into internalizing the bacterium. Infection by *L. monocytogenes* causes the disease listeriosis, which can manifest into meningitis and septicemia. Listeriosis occurs mainly in newborn infants, elderly patients and patients who are immunocompromised.

REFERENCES

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SOURCE

Listeria monocytogenes (LZA2) is a mouse monoclonal antibody raised against *Listeria monocytogenes*.

PRODUCT

Each vial contains 100 μ g IgM in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Listeria monocytogenes (LZA2) is recommended for detection of intact cells as well as the outer membrane fraction of *Listeria monocytogenes* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

SELECT PRODUCT CITATIONS

- Sharma, P., Khairnar, V., Madunic, I.V., Singh, Y., Pandya, A., Salker, M.S., Koepsell, H., Sabolic, I., Lang, F., Lang, P.A. and Lang, K.S. 2017. SGLT1 deficiency turns *Listeria* infection into a lethal disease in mice. *Cell. Physiol. Biochem.* 42: 1358-1365.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.