

Datasheet: 5688-1992

Description:	RABBIT ANTI LISTERIA MONOCYTOGENES:Biotin
Specificity:	LISTERIA MONOCYTOGENES ATCC 43251
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Purified IgG conjugated to Biotin - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 4.0 mg/ml
Immunogen	<i>Listeria monocytogenes</i> . whole cells. ATCC strain 43251.
RRID	AB_616744

Specificity **Rabbit anti *Listeria monocytogenes* ATCC 43251 antibody** reacts with *Listeria monocytogenes* whole cells. Rabbit anti *Listeria monocytogenes* ATCC 43251 antibody has not been absorbed and may react with related micro-organisms.

Rabbit anti *Listeria monocytogenes* ATCC 43251 antibody has been used successfully for the demonstration of internalized *L. monocytogenes* in formalin fixed peripheral blood mononuclear cells by immunofluorescence ([Salem et al. 2015](#)).

References

1. Marusov, G. *et al.* (2012) A microarray biosensor for multiplexed detection of microbes using grating-coupled surface plasmon resonance imaging. [Environ Sci Technol. 46 \(1\): 348-59.](#)
2. Salem M *et al.* (2015) Species-specific engagement of human nucleotide oligomerization domain 2 (NOD)2 and Toll-like receptor (TLR) signalling upon intracellular bacterial infection: role of Crohn's associated NOD2 gene variants. [Clin Exp Immunol. 179 \(3\): 426-34.](#)
3. Témoïn, S. *et al.* (2008) Multiple point mutations in virulence genes explain the low virulence of *Listeria monocytogenes* field strains. [Microbiology. 154 \(Pt 3\): 939-48.](#)
4. Cruz-Adalia, A. *et al.* (2017) Conventional CD4⁺ T cells present bacterial antigens to induce cytotoxic and memory CD8⁺ T cell responses. [Nat Commun. 8 \(1\): 1591.](#)
5. Okita, Y. *et al.* (2016) Interleukin-22-Induced Antimicrobial Phospholipase A2 Group IIA Mediates Protective Innate Immunity of Nonhematopoietic Cells against *Listeria monocytogenes*. [Infect Immun. 84 \(2\): 573-9.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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