

Datasheet: 5688-1990

**BATCH NUMBER 155299**

<b>Description:</b>	RABBIT ANTI LISTERIA MONOCYTOGENES ATCC 43251
<b>Specificity:</b>	LISTERIA MONOCYTOGENES ATCC 43251
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA	▪			
Western Blotting			▪	

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.

**(1) This product requires protein digestion pre-treatment of paraffin sections e.g. pronase.**

<b>Target Species</b>	Bacterial
<b>Product Form</b>	Purified IgG - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	4.0 mg/ml

<b>Immunogen</b>	<i>Listeria monocytogenes</i> . whole cells. ATCC strain 43251.
<b>RRID</b>	AB_620691
<b>Specificity</b>	<p><b>Rabbit anti <i>Listeria monocytogenes</i> ATCC 43251 antibody</b> reacts with <i>Listeria monocytogenes</i> whole cells. Rabbit anti <i>Listeria monocytogenes</i> ATCC 43251 antibody has not been absorbed and may react with related micro-organisms.</p> <p>Rabbit anti <i>Listeria monocytogenes</i> ATCC 43251 antibody has been used successfully for the demonstration of internalized <i>L. monocytogenes</i> in formalin fixed peripheral blood mononuclear cells by immunofluorescence (<a href="#">Salem et al. 2015</a>).</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Marusov, G. <i>et al.</i> (2012) A microarray biosensor for multiplexed detection of microbes using grating-coupled surface plasmon resonance imaging. <a href="#">Environ Sci Technol. 46 (1): 348-59.</a></li> <li>2. Salem M <i>et al.</i> (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. <a href="#">Clin Exp Immunol. 179 (3): 426-34.</a></li> <li>3. Témoïn, S. <i>et al.</i> (2008) Multiple point mutations in virulence genes explain the low virulence of <i>Listeria monocytogenes</i> field strains. <a href="#">Microbiology. 154 (Pt 3): 939-48.</a></li> <li>4. Cruz-Adalia, A. <i>et al.</i> (2017) Conventional CD4<sup>+</sup> T cells present bacterial antigens to induce cytotoxic and memory CD8<sup>+</sup> T cell responses. <a href="#">Nat Commun. 8 (1): 1591.</a></li> <li>5. Okita, Y. <i>et al.</i> (2016) Interleukin-22-Induced Antimicrobial Phospholipase A2 Group IIA Mediates Protective Innate Immunity of Nonhematopoietic Cells against <i>Listeria monocytogenes</i>. <a href="#">Infect Immun. 84 (2): 573-9.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/5688-1990">https://www.bio-rad-antibodies.com/SDS/5688-1990</a></p> <p>10040</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

## Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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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://bio-rad-antibodies.com/datasheets)

'M363312:200528'

Printed on 19 Jan 2024

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