

Datasheet: 5688-1990

**BATCH NUMBER 171622**

<b>Description:</b>	RABBIT ANTI LISTERIA MONOCYTOGENES KC 1778+ H 2b
<b>Specificity:</b>	LISTERIA MONOCYTOGENES
<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>	IgG concentration 5.0 mg/ml

<b>Immunogen</b>	<i>Listeria monocytogenes</i> . whole cells.
<b>RRID</b>	AB_620691
<b>Specificity</b>	<p><b>Rabbit anti <i>Listeria monocytogenes</i> antibody</b> reacts with <i>Listeria monocytogenes</i> whole cells. Rabbit anti <i>Listeria monocytogenes</i> antibody has not been absorbed and may react with related micro-organisms.</p> <p>Rabbit anti <i>Listeria monocytogenes</i> 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. Témoins, 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>2. 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>3. 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>4. 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> <li>5. 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>6. García-Ferreras, R. <i>et al.</i> (2023) Bacteria-instructed B cells cross-prime naïve CD8(+) T cells triggering effective cytotoxic responses. <a href="#">EMBO Rep. 24 (7): e56131.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	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>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

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

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

### **Recommended Useful Reagents**

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

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

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**Printed on 29 Jan 2026**

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