

Datasheet: 5688-1990

Description:	RABBIT ANTI LISTERIA MONOCYTOGENES KC 1778+ H 2b
Specificity:	LISTERIA MONOCYTOGENES
Format:	Purified
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
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.

Target Species	Bacterial
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	<i>Listeria monocytogenes</i> . whole cells.

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

Rabbit anti *Listeria monocytogenes* 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. 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.](#)
2. 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.](#)
3. 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.](#)
4. 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.](#)
5. 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.](#)
6. García-Ferreras, R. *et al.* (2023) Bacteria-instructed B cells cross-prime naïve CD8(+) T cells triggering effective cytotoxic responses. [EMBO Rep. 24 \(7\): e56131.](#)

Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/5688-1990>
10040

Regulatory

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 \(BUF025A\)](#)

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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

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