

## Datasheet: 0400-0027

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Description:</b>  | MOUSE ANTI LISTERIA MONOCYTOGENES |
| <b>Specificity:</b>  | LISTERIA MONOCYTOGENES            |
| <b>Format:</b>       | Purified                          |
| <b>Product Type:</b> | Monoclonal Antibody               |
| <b>Clone:</b>        | LZF7 (BGN/0884/67)                |
| <b>Isotype:</b>      | IgG2a                             |
| <b>Quantity:</b>     | 0.2 mg                            |

## 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 |     |    | ■              |                    |
| 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.

|                                       |                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>                 | Bacterial                                                                                                                                                                                                                                                                                                             |
| <b>Product Form</b>                   | Purified IgG - liquid                                                                                                                                                                                                                                                                                                 |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein G.                                                                                                                                                                                                                                                        |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                                                                                                                                                                                                                                             |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )                                                                                                                                                                                                                                                                                |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml                                                                                                                                                                                                                                                                                           |
| <b>Immunogen</b>                      | <i>Listeria monocytogenes</i> , outer membrane fraction.                                                                                                                                                                                                                                                              |
| <b>Specificity</b>                    | <b>Mouse anti <i>Listeria monocytogenes</i> antibody, clone LZF7</b> recognizes both intact <i>Listeria sp</i> and outer membrane preparations reacting with a ~37 kDa protein in western blotting. Mouse anti <i>Listeria monocytogenes</i> antibody, clone LZF7 recognizes strains of <i>Listeria monocytogenes</i> |

including ATCC 19114, LMG 16780 and LMG 23190.

Mouse anti *Listeria monocytogenes* antibody, clone LZ7F has also been shown to cross-react with other *Listeria* species including *L. innocua* ATCC 33090, *L. ivanovii* ATCC 19119 and *L. welshimeri* ATCC 3589.

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ELISA</b>                         | This product is suitable for use as a detection antibody in a sandwich ELISA, with <a href="#">0400-0030</a> as the coating antibody. Please note, the activity of this antibody is reduced on boiling of the bacteria.                                                                                                                                                                                                                                                                                         |
| <b>Western Blotting</b>              | 0400-0027 detects a band of approximately 23kDa in reduced blots of cell fragments.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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. Veerapandian, M. and Neethirajan, S. (2015) Graphene oxide chemically decorated with Ag-Ru/chitosan nanoparticles: Fabrication, Electrode Processing and Immunosensing Property <a href="#">RSC Adv. Aug 21 [Epub ahead of print]</a></li></ol> |
| <b>Storage</b>                       | Store at +4°C or at -20°C if preferred.<br>Storage in frost-free freezers is not recommended.<br>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.                                                                                                                                                                                                         |
| <b>Shelf Life</b>                    | 18 months from date of despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation available at:<br>Material Safety Datasheet Documentation #10040 available at:<br><a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>                                                                                                                                                                                                                                                      |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Related Products

### Recommended Secondary Antibodies

|                                         |                                                                                                                                                                                                                                     |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>                                                                                                                                                                                    |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> ,<br><a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>                                                                                                                                                                                                                |
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>                                                                                                                                                                                                                 |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>                                                                                                                                                                                          |
| Rabbit Anti Mouse IgG (STAR8...)        | <a href="#">DyLight®800</a>                                                                                                                                                                                                         |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>                                                                                                                                                                                                                |
| Human Anti Mouse IgG2a (HCA037...)      | <a href="#">FITC</a> , <a href="#">HRP</a>                                                                                                                                                                                          |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>                                                                                                                                                                                                                 |

### Recommended Useful Reagents

[MOUSE ANTI LISTERIA MONOCYTOGENES \(0400-0030\)](#)

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