

Datasheet: 0100-0035

BATCH NUMBER 148511

Description:	NATIVE LIPOTEICHOIC ACID
Name:	LIPOTEICHOIC ACID
Other names:	LTA
Format:	Purified
Product Type:	Antigen
Quantity:	1 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.

	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 lipoteichoic acid - liquid
Preparation	Prepared by phenolic extraction and supplied at 1.0 mg/ml with a protein concentration \leq 3%
Preservative Stabilisers	None present.
Product Information	Native lipoteichoic acid (LTA) purified from <i>Staphylococcus aureus</i> .

LTA is a linear polymer of phosphodiester-linked glycerol phosphate covalently attached to lipid. The lipid binds hydrophobically to the cell membrane and the polyglycerol phosphate portion extends into the cell wall. The biological role of LTA is not fully understood but when expressed on the cell exterior it is thought to act as an adhesin.

CAS Number: 56411-57-5

ELISA *When coating use 10 ng - 1µg/well.

References 1. Caslin, H.L. *et al.* (2019) Lactic Acid Inhibits Lipopolysaccharide-Induced Mast Cell Function by Limiting Glycolysis and ATP Availability. [J Immunol. 203 \(2\): 453-64.](#)

Storage Store at -20°C only.
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 2 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10078 available at: <https://www.bio-rad-antibodies.com/SDS/0100-0035>
10078

Regulatory For research purposes only

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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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