Datasheet: 0100-0035

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 ≤ 3%

Preservative Stabilisers

None present.

Product Information

Native lipoteichoic acid (LTA) purified from *Staphylococcus aureus*.

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

'M433538:241107'

Printed on 07 Nov 2024