

Staphylococcus aureus Lipoteichoic acid (LTA)

Catalog #: 1600-001

Description:

Highly purified lipoteichoic acid (LTA) from *Staphylococcus aureus*. LTA is diluted 2-fold.

Formulation & Storage: Supplied as a lyophilized powder. **Store at +4°.**

Notes & Usage Guidelines:

ELISA: Assay-dependent dilution

WB: N/A

Applications

Product Specifications:

Test	Specification
Appearance	Lyophilized powder, white to faint yellow
Protein Content (% Protein)	0.24 %
Phosphate Content	6 μ mole/mg LTA
LPS	0.016EU/mg
Nucleic Acid Content (%)	< 2%

ELISA Data:

Highly purified LTA was coated onto microtiter plates at either 1 μ g/well or 0.2 μ g/well. Positive control mouse sera or negative control mouse sera were serially diluted 2-fold starting at a 1:200 dilution and incubated on the coated plates. Washed plates were detected with anti-mouse HRP conjugate and TMB substrate. After stopping the reaction with 0.5M HCL, OD450 is reported.

Dilution	Positive Control sera		Negative Control sera	
	LTA @ 1 μ g	LTA @ 0.2 μ g	LTA @ 1 μ g	LTA @ 0.2 μ g
200	3.897	3.810	0.076	0.188
400	3.671	3.543	0.083	0.101
800	3.290	2.859	0.073	0.093
1600	2.447	1.773	0.067	0.148
3200	1.322	0.938	0.070	0.104
6400	0.778	0.463	0.061	0.115
12800	0.377	0.244	0.062	0.120
25600	0.190	0.126	0.058	0.111
51200	0.106	0.088	0.058	0.123
102400	0.070	0.075	0.062	0.138
Background	0.047	0.059	0.117	0.066

Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at services@ibtbioservices.com

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