

ARG83362 Lipoteichoic Acid ELISA Kit

Package: 96 wells
Store at: 4°C, -20°C

Summary

Product Description	ARG83362 Lipoteichoic Acid ELISA Kit is an Enzyme Immunoassay kit for the quantification of Lipoteichoic Acid in mammal serum, plasma, cell and tissue lysate
Tested Reactivity	Mamm
Tested Application	ELISA
Target Name	Lipoteichoic Acid
Conjugation	HRP
Conjugation Note	Read at 450 nm
Sensitivity	10 ng/ml
Sample Type	Serum, plasma, cell, and tissue lysate
Standard Range	15.6 - 1000 ng/ml
Sample Volume	100 µL

Application Instructions

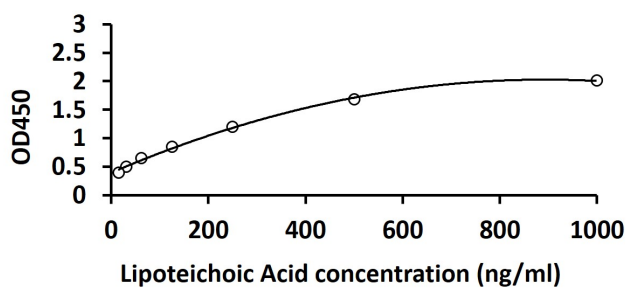
Assay Time	~4 hours
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Properties

Form	96 well
Storage instruction	Store components at 4°C or -20°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	Lipoteichoic acid (LTA) is the major proinflammatory structure present within the cell wall layer of most gram-positive bacteria. It plays an important role in the initiation and progression of bacterial infection, inflammation, and septic shock. LTA induces several cytokines in vivo, and LTA and peptidoglycan (PepG) synergize to cause the induction of nitric oxide formation which can lead to multiple organ failure. Since LTA is also found in the cell walls of non-pathogenic gram-positive bacteria, it has been suggested that the structure of LTA, and its ability to synergize with PepG, determines the ability of a particular
Research Area	Microbiology and Infectious Disease antibody



ARG83362 Lipoteichoic Acid ELISA Kit standard curve image

ARG83362 Lipoteichoic Acid ELISA Kit results of a typical standard run with optical density reading at 450 nm.