

Rat Lipoteichoic acid ELISA Kit | LTA elisa kit

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CATALOG # AAA247808	REACTIVITY Rat	APPLICATIONS ELISA
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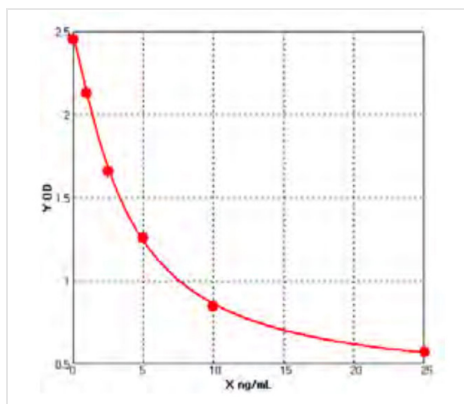
PRODUCT SYNONYMS

Lipoteichoic acid; Rat Lipoteichoic acid ELISA Kit; LTA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of LTA. No significant cross-reactivity or interference between LTA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LTA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Applicable Applications for LTA elisa kit	ELISA
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTA elisa kit	Principle of the Assay: LTA ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-LTA antibody and an LTA-HRP conjugate. The assay sample and buffer are incubated together with LTA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LTA concentration since LTA from samples and LTA-HRP conjugate compete for the anti-LTA antibody binding site. Since the number of sites is limited, as more sites are occupied by LTA from the sample, fewer sites are left to bind LTA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LTA concentration in each sample is interpolated from this standard curve. Intended Uses: This LTA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat LTA. This ELISA kit for research use only, not for therapeutic or test applications!
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/lta-rat-elisa-kits/lipoteichoic-acid/247808>