

Sheep Lipopolysaccharides ELISA Kit | LPS elisa kit

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CATALOG #
AAA89259

REACTIVITY
Sheep

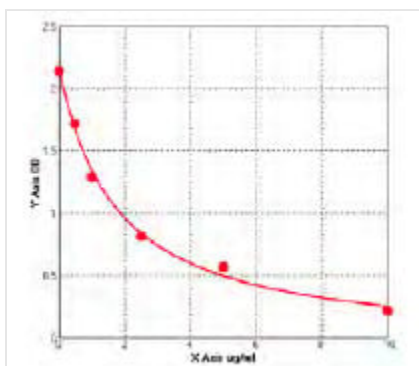
PRODUCT SYNONYMS

Lipopolysaccharides; Sheep Lipopolysaccharides ELISA Kit; LPS elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPS elisa kit	Intended Uses: This LPS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep LPS. This ELISA kit for research use only! Principle of the Assay: LPS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LPS antibody and an LPS-HRP conjugate. The assay sample and buffer are incubated together with LPS-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 LPS concentration since LPS from samples and LPS-HRP conjugate compete for the anti-LPS antibody binding site. Since the number of sites is limited, as more sites are occupied by LPS from the sample, fewer sites are left to bind LPS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LPS concentration in each sample is interpolated from this standard curve.
Product Categories/Family for LPS elisa kit	Microbiology

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/lps-sheep-elisa-kits/lipopolysaccharides/89259>