

General Lipopolysaccharides (LPS) ELISA Kit | LPS elisa kit

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CATALOG #
AAA13935

REACTIVITY
General

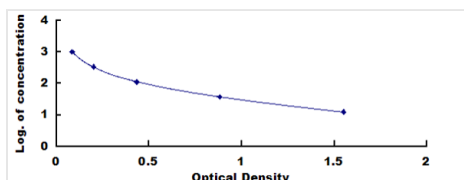
PRODUCT SYNONYMS

Lipopolysaccharides (LPS); General Lipopolysaccharides (LPS) ELISA Kit; LOS; Lipoglycans; Lipooligosaccharide; Lipo-Oligosaccharide; Endotoxin; LPS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
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.
Assay Type	Quantitative Competitive
Samples	General serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.24ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LPS were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LPS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPS elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to LPS has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled LPS and unlabeled LPS (Standards or samples) with the pre-coated antibody specific to LPS. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of LPS in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of LPS in the sample.

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of LPS in general serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

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/general-elisa-kits/lipopolysaccharides-lps/13935>