



Product Information

Rabbit lipopolysaccharide (LPS) ELISA kit (25-800 EU/L)

Cat. No.: X23-10-YM049

Size: 48T; 96T

Synonym: Rabbit LPS ELISA kit

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Rabbit lipopolysaccharide (LPS) ELISA kit, an enzyme-linked immunosorbent assay, has the ability to detect levels of rabbit LPS as low as 1 EU/L and its detection range is 25-800 EU/L.
Assay Principle	Rabbit lipopolysaccharide (LPS) ELISA kit is specifically designed for measuring the level of rabbit LPS in a given sample. To perform the assay, purified rabbit LPS antibodies are used to coat the wells of a microtiter plate, creating a solid-phase antibody. Next, the LPS sample is added to the wells, resulting in the binding of LPS molecules to the antibodies. The antibodies are labeled with HRP, forming an antibody-antigen-enzyme-antibody complex. After thorough washing, a TMB substrate solution is added to the wells, causing the TMB substrate to undergo an HRP enzyme-catalyzed reaction, leading to a color change to blue. To terminate the reaction, a sulphuric acid solution is added, and the resulting color change is measured using a spectrophotometer at a wavelength of 450 nm. Finally, the concentration of Porcine LPS in the samples can be determined by comparing the optical density (O.D.) of the samples to a standard curve.
ELISA Type	Sandwich ELISA kit
Assay Type	Sandwich ELISA kit
Assay Target	LPS
Species Reactivity	Rabbit
Components	Closure plate membrane; Sealed bags; Micro ELISA stripplate; Standard; HRP-Conjugate reagent; Sample diluent; Chromogen solution A; Chromogen solution B; Stop solution; Wash solution
Sample Type	Serum, plasma, tissue homogenates and other biological fluids
Detection Method	Colorimetric, OD 450 nm
Assay Range	25-800 EU/L
Sensitivity	1 EU/L
Precision (Intra-Assay)	CV <10%
Precision (Inter-Assay)	CV <15%
Recovery	>95%



Cross-reactivity	No significant cross-reactivity or interference was observed.
Applications	Rabbit lipopolysaccharide (LPS) ELISA kit can be used to measure the level of rabbit LPS in serum, plasma, tissue homogenate and other biological fluid samples.
Storage	Store at 2-8°C.
