

Product Information

Rabbit lipopolysaccharide-binding protein (LBP) ELISA kit (7.5-240 µmol/L)

Cat. No.: X23-10-YM046

Size: 48T; 96T

Synonym: Rabbit LBP ELISA kit

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

Product Information

Description	Rabbit lipopolysaccharide-binding protein (LBP) ELISA kit, an enzyme-linked immunosorbent assay, has the ability to detect levels of rabbit LBP as low as 1 µmol/L and its detection range is 7.5-240 µmol/L.
Assay Principle	Rabbit lipopolysaccharide-binding protein (LBP) ELISA kit is specifically designed for measuring the level of porcine 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
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Assay Target	LBP
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	7.5-240 µmol/L
Sensitivity	1 µmol/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-binding protein (LBP) ELISA kit can be used to measure the level of rabbit LBP in serum, plasma, tissue homogenate and other biological fluid samples.
Storage	Store at 2-8°C.
