



Product Information

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

Cat. No.: X23-10-YM085

Size: 48T; 96T

Synonym: Rat LPS ELISA kit

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

Product Information

Description	Rat lipopolysaccharide (LPS) ELISA kit, an enzyme-linked immunosorbent assay, has the ability to detect levels of rat LPS as low as 1 EU/L and its detection range is 25-800 EU/L.
Assay Principle	Rat lipopolysaccharide (LPS) ELISA kit is designed to measure rat LPS levels in samples using a microtiter plate coated with purified rat LPS antibody to create a solid-phase antibody. LPS is added to the wells, followed by the addition of HRP-labeled antibody, resulting in the formation of an antibody-antigen-enzyme-antibody complex. After thorough washing, a TMB substrate solution is added, leading to the development of a blue color as a result of HRP enzyme catalysis. The reaction is stopped by adding a sulfuric acid solution, and the change in color is measured at a wavelength of 450 nm using a spectrophotometer. The concentration of LPS in the samples is 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	LPS
Species Reactivity	Rat
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	Rat lipopolysaccharide (LPS) ELISA kit can be used to measure the level of rat LPS in serum,



plasma, tissue homogenate and other biological fluid samples.

Storage

Store at 2-8°C.
