



## Product Information

### Mouse lipopolysaccharide (LPS) ELISA kit (1-32 EU/L)

**Cat. No.:** X23-10-YM107

**Size:** 48T; 96T

**Synonym:** Mouse LPS ELISA kit

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

#### Product Information

<b>Description</b>	Mouse lipopolysaccharide (LPS) ELISA kit, an enzyme-linked immunosorbent assay, has the ability to detect levels of mouse LPS as low as 1 EU/L and its detection range is 1-32 EU/L.
<b>Assay Principle</b>	Mouse lipopolysaccharide (LPS) ELISA kit is designed to measure the level of Mouse LPS (lipopolysaccharide) in a sample. It utilizes purified Mouse LPS antibodies that are immobilized on the wells of a microtiter plate, creating a solid-phase antibody. The sample containing LPS is then added to the wells, and the LPS molecules bind to the immobilized antibodies, forming an antibody-antigen complex. This complex is detected by adding HRP-labeled antibodies that specifically recognize the LPS. After thorough washing to remove any unbound components, a TMB substrate solution is added. In the presence of HRP, TMB substrate undergoes a color change to blue. The reaction is stopped by adding a sulfuric acid solution, resulting in a color change that can be measured using a spectrophotometer at a wavelength of 450 nm. The concentration of LPS in the sample can be determined by comparing the optical density (O.D.) of the sample to a standard curve.
<b>ELISA Type</b>	Sandwich ELISA kit
<b>Assay Type</b>	Sandwich ELISA kit
<b>Assay Target</b>	LPS
<b>Species Reactivity</b>	Mouse
<b>Components</b>	Closure plate membrane; Sealed bags; Micro ELISA stripplate; Standard; HRP-Conjugate reagent; Sample diluent; Chromogen solution A; Chromogen solution B; Stop solution; Wash solution
<b>Sample Type</b>	Serum, plasma, tissue homogenates and other biological fluids
<b>Detection Method</b>	Colorimetric, OD 450 nm
<b>Assay Range</b>	1-32 EU/L
<b>Sensitivity</b>	1 EU/L
<b>Precision (Intra-Assay)</b>	CV <10%
<b>Precision (Inter-Assay)</b>	CV <15%



**Recovery** >95%

**Applications** Mouse lipopolysaccharide (LPS) ELISA kit can be used to measure the level of mouse LPS in serum, plasma, tissue homogenate and other biological fluid samples.

**Storage** Store at 2-8°C.

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