



## Product Information

### Duck lipopolysaccharide (LPS) ELISA kit

**Cat. No.:** X23-10-YM137

**Size:** 48T; 96T

**Synonym:** Duck LPS ELISA kit

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

#### Product Information

<b>Description</b>	Duck lipopolysaccharide (LPS) ELISA kit, an enzyme-linked immunosorbent assay, has the ability to detect levels of duck LPS as low as 0.1 pg/mL and its detection range is 1.25-40 pg/mL.
<b>Assay Principle</b>	Duck lipopolysaccharide (LPS) ELISA kit is designed to measure the level of duck LPS in a sample. It utilizes purified duck LPS antibody to coat the microtiter plate wells, creating a solid-phase antibody. The sample is then added to the wells, allowing the Goat LBP to bind to the solid-phase antibody. HRP-labeled antibodies specific to duck LPS are subsequently added, forming an antibody-antigen-enzyme-antibody complex. After thorough washing, a TMB substrate solution is added, resulting in a blue color development due to the catalytic activity of the HRP enzyme. The reaction is stopped by adding a sulfuric acid solution, and the color change is measured at a wavelength of 450 nm using a spectrophotometer. The concentration of duck LPS in the samples is determined by comparing the absorbance (O.D.) of the samples 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>	Duck
<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>	1.25-40 pg/mL
<b>Sensitivity</b>	0.1 pg/mL
<b>Precision (Intra-Assay)</b>	CV <10%
<b>Precision (Inter-Assay)</b>	CV <15%
<b>Recovery</b>	>95%
<b>Applications</b>	Duck lipopolysaccharide (LPS) ELISA kit can be used to measure the level of duck LPS in serum,



plasma, tissue homogenate and other biological fluid samples.

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**Storage**

Store at 2-8°C.

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