



## Product Information

### Sheep lipopolysaccharide-binding protein (LBP) ELISA kit

**Cat. No.:** X23-10-YM127

**Size:** 48T; 96T

**Synonym:** Sheep LBP ELISA kit

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

#### Product Information

<b>Description</b>	Sheep lipopolysaccharide-binding protein (LBP) ELISA kit, an enzyme-linked immunosorbent assay, has the ability to detect levels of sheep LBP as low as 1 $\mu\text{mol/L}$ and its detection range is 7.5-240 $\mu\text{mol/L}$ .
<b>Assay Principle</b>	Sheep lipopolysaccharide-binding protein (LBP) ELISA kit is designed to measure the level of sheep LBP in a sample. It utilizes purified sheep LBP antibody to coat the microtiter plate wells, creating a solid-phase antibody. The sample is then added to the wells, allowing the sheep LBP to bind to the solid-phase antibody. HRP-labeled antibodies specific to sheep LBP 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 Goat LBP 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>	LBP
<b>Species Reactivity</b>	Sheep
<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>	7.5-240 $\mu\text{mol/L}$
<b>Sensitivity</b>	1 $\mu\text{mol/L}$
<b>Precision (Intra-Assay)</b>	CV <10%
<b>Precision (Inter-Assay)</b>	CV <15%
<b>Recovery</b>	>95%



**Applications**

Sheep lipopolysaccharide-binding protein (LBP) ELISA kit can be used to measure the level of sheep LBP in serum, plasma, tissue homogenate and other biological fluid samples.

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**Storage**

Store at 2-8°C.

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