



Product Information

Chicken lipopolysaccharide-binding protein (LBP) ELISA kit (6.25-200 ng/mL)

Cat. No.: X23-10-YM027

Size: 48T; 96T

Synonym: Chicken LBP ELISA kit

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

Product Information

Description	Chicken lipopolysaccharide-binding protein (LBP) ELISA kit, an enzyme-linked immunosorbent assay, has the ability to detect levels of chicken LBP as low as 1 ng/mL and its detection range is 6.25-200 ng/mL.
Assay Principle	Chicken lipopolysaccharide-binding protein (LBP) ELISA kit is used to detect the level of Chicken LBP in a sample. It involves coating microtiter plate wells with purified chicken LBP antibody to create a solid-phase antibody. LBP is then added to the wells. Both the LBP and the antibody are labeled with HRP, forming an antibody-antigen-enzyme-antibody complex. After thorough washing, a TMB substrate solution is added. The TMB substrate turns blue under the catalysis of HRP enzyme. The reaction is stopped by adding a sulphuric acid solution, and the color change is measured using a spectrophotometer at a wavelength of 450 nm. By comparing the optical density (O.D.) of the samples to a standard curve, the concentration of LBP in the samples can be determined.
ELISA Type	Sandwich ELISA kit
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Assay Target	LBP
Species Reactivity	Chicken
Components	MicroELISA plate; Enzyme conjugate; Standard A; Standard B; Standard C; Standard D; Standard E; Standard F; Substrate A; Substrate B; Stop solution; Wash solution; Balance solution; Instruction
Sample Type	Serum, plasma, tissue homogenates and other biological fluids
Detection Method	Colorimetric, OD 450 nm
Assay Range	6.25-200 ng/mL
Sensitivity	1 ng/mL
Precision (Intra-Assay)	CV <10%
Precision (Inter-Assay)	CV <15%
Recovery	>95%



Cross-reactivity	No significant cross-reactivity or interference was observed.
Applications	Chicken lipopolysaccharide-binding protein (LBP) ELISA kit can be used to measure the level of chicken LBP in serum, plasma, tissue homogenate and other biological fluid samples.
Storage	Store at 2-8°C.
