



Product Information

Nude mouse lipopolysaccharide-binding protein (LBP) ELISA Kit

Cat. No.: X23-10-YM136

Size: 48T; 96T

Synonym: Nude mouse LBP ELISA kit

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

Product Information

Description	Nude mouse lipopolysaccharide-binding protein (LBP) ELISA Kit, an enzyme-linked immunosorbent assay, has the ability to detect levels of nude mouse LBP as low as 1 $\mu\text{mol/L}$ and its detection range is 7.5-240 $\mu\text{mol/L}$.
Assay Principle	Nude mouse lipopolysaccharide-binding protein (LBP) ELISA Kit is designed to measure the level of nude mouse LBP in a sample. It utilizes purified nude mouse LPS antibody to coat the microtiter plate wells, creating a solid-phase antibody. The sample is then added to the wells, allowing the nude mouse LBP to bind to the solid-phase antibody. HRP-labeled antibodies specific to nude mouse 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 nude mouse LBP in the samples is determined by comparing the absorbance (O.D.) of the samples to a standard curve.
ELISA Type	Sandwich ELISA kit
Assay Type	Sandwich ELISA kit
Assay Target	LBP
Species Reactivity	Nude mouse
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	7.5-240 $\mu\text{mol/L}$
Sensitivity	1 $\mu\text{mol/L}$
Precision (Intra-Assay)	CV <10%
Precision (Inter-Assay)	CV <15%



Recovery	>95%
Applications	Nude mouse lipopolysaccharide-binding protein (LBP) ELISA Kit can be used to measure the level of nude mouse LBP in serum, plasma, tissue homogenate and other biological fluid samples.
Storage	Store at 2-8°C.
