

Rat Lipopolysaccharide Binding Protein (LBP) ELISA Kit | LBP elisa kit

Rat Lipopolysaccharide Binding Protein (LBP) High Sensitive ELISA Kit

CATALOG # AAA188546	REACTIVITY Rat	APPLICATIONS ELISA
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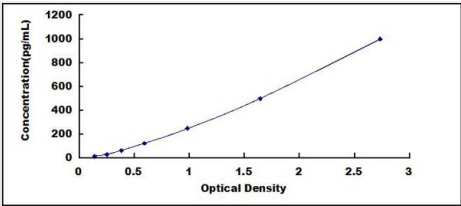
PRODUCT SYNONYMS

Lipopolysaccharide Binding Protein (LBP); Rat Lipopolysaccharide Binding Protein (LBP) High Sensitive ELISA Kit; Lipopolysaccharide Binding Protein; LPS-Binding Protein; LBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Lipopolysaccharide Binding Protein (LBP). No significant cross-reactivity or interference between High Sensitive Lipopolysaccharide Binding Protein (LBP) and analogues was observed.
Sequence Length	481
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 6.0pg/mL
Applicable Applications for LBP elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Lipopolysaccharide Binding Protein (LBP) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Lipopolysaccharide Binding Protein (LBP) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to High Sensitive Lipopolysaccharide Binding Protein (LBP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Lipopolysaccharide Binding Protein (LBP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain High Sensitive Lipopolysaccharide Binding Protein (LBP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of High Sensitive Lipopolysaccharide Binding Protein (LBP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	2497617
NCBI GeneID	29469
UniProt Accession #	Q63313
NCBI Official Full Name	Lipopolysaccharide-binding protein
NCBI Official Synonym Full Names	lipopolysaccharide binding protein
NCBI Official Symbol	Lbp
NCBI Official Synonym Symbols	Bpifd2
NCBI Protein Information	lipopolysaccharide-binding protein
UniProt Protein Name	Lipopolysaccharide-binding protein
UniProt Gene Name	Lbp
UniProt Synonym Gene Names	LBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/lipopolysaccharide-binding-protein-lbp/188546>