

Bovine Lipopolysaccharide binding protein ELISA Kit | LBP elisa kit

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CATALOG #
AAA88871

REACTIVITY
Bovine

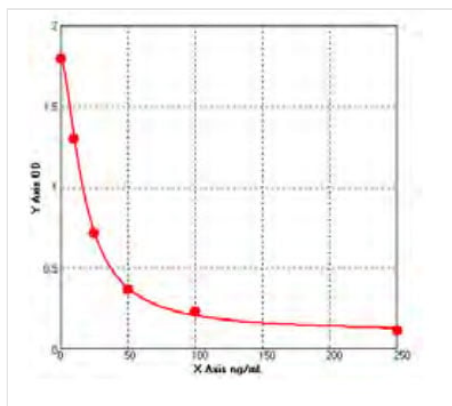
PRODUCT SYNONYMS

Lipopolysaccharide binding protein; Bovine Lipopolysaccharide binding protein ELISA Kit; LBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of LBP. No significant cross-reactivity or interference between LBP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LBP and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This LBP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine LBP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LBP elisa kit	Principle of the Assay: LBP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LBP antibody and an LBP-HRP conjugate. The assay sample and buffer are incubated together with LBP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LBP concentration since LBP from samples and LBP-HRP conjugate compete for the anti-LBP antibody binding site. Since the number of sites is limited, as more sites are occupied by LBP from the sample, fewer sites are left to bind LBP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LBP concentration in each sample is interpolated from this standard curve. Intended Uses: This LBP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine LBP. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for LBP elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	31652249
NCBI GeneID	3929
NCBI Accession #	NP_004130.2
NCBI GenBank Nucleotide #	NM_004139.4
Molecular Weight	53,384 Da
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; LPS-binding protein; BPI fold containing family D, member 2
UniProt Protein Name	Lipopolysaccharide-binding protein
UniProt Gene Name	LBP
UniProt Synonym Gene Names	LBP
UniProt Entry Name	LBP_HUMAN

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/lbp-bovine-ovine-elisa-kits/lipolysaccharide-binding-protein/88871>