

Mouse LBP ELISA Kit | LBP elisa kit

Mouse LBP PicoKine ELISA Kit

CATALOG #
AAA11626

REACTIVITY
Mouse

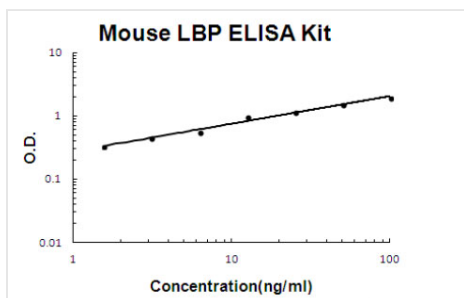
PRODUCT SYNONYMS

LBP; Mouse LBP PicoKine ELISA Kit; Lipopolysaccharide-binding protein; lipopolysaccharide binding protein; BPI fold containing family D; member 2; Bpifd2; LBP_HUMAN; LBP1; Lipopolysaccharide binding protein; LPS binding protein; Ly88; MGC22233; OTTHUMP00000030965; RP23-407H16.4; LBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Lbp
Sequence Length	481
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	1.56 ng/ml - 100 ng/ml
Sensitivity	<50 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LBP elisa kit	Background: Lipopolysaccharide binding protein is a protein that in humans is encoded by the LBP gene. This gene is mapped to 20q11.23. LBP is a soluble acute-phase protein that binds to bacterial lipopolysaccharide (or LPS) to elicit immune responses by presenting the LPS to important cell surface pattern recognition receptors called CD14 and TLR4. It is present in the cerebrospinal fluid of patients with pneumococcal meningitis. The protein encoded by this gene is involved in the acute-phase immunologic response to gram-negative bacterial infections. LBP is made in the liver during the acute phase of infections and is thought to function as a carrier for LPS and to help control LPS-dependent monocyte responses. Principle of the Assay: The Picokine™ Mouse Lbp Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Lbp with a 96-well strip plate that is pre-coated with antibody specific for Lbp. The detection antibody is a biotinylated antibody specific for Lbp. The capture antibody is polyclonal antibody from goat and the detection antibody is polyclonal antibody from goat. The kit includes Mouse Lbp protein as standards. To measure Mouse Lbp, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Lbp in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Lbp in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	341940900
NCBI GeneID	16803
UniProt Accession #	Q61805; Q99KA0; A2AC66
Molecular Weight	53,055 Da
NCBI Official Full Name	Lipopolysaccharide-binding protein
NCBI Official Synonym Full Names	lipopolysaccharide binding protein
NCBI Official Symbol	Lbp
NCBI Official Synonym Symbols	Ly88; Bpifd2
NCBI Protein Information	lipopolysaccharide-binding protein
UniProt Protein Name	Lipopolysaccharide-binding protein
UniProt Gene Name	Lbp
UniProt Synonym Gene Names	LBP
UniProt Entry Name	LBP_MOUSE

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.