

Pig Lipopolysaccharide ELISA Kit | LBP elisa kit

Pig Lipopolysaccharide binding protein (LBP) ELISA Kit

CATALOG #
AAA55934

REACTIVITY
Pig

PRODUCT SYNONYMS

Lipopolysaccharide; Pig Lipopolysaccharide binding protein (LBP) ELISA Kit; MGC22233; LPS-binding protein|lipopolysaccharide-binding protein; LBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of Pig LBP. No significant cross-reactivity or interference between Pig LBP and analogues was observed.
Sequence Length	286
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	3.12 ng/mL - 200 ng/mL
Sensitivity	1.56 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for LBP elisa kit

Intended Uses: For the quantitative detection of Pig Lipopolysaccharide binding protein (LBP) concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate LBP in Pig serum, plasma. An antibody specific for LBP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LBP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LBP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LBP bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	86280520
Molecular Weight	31,497 Da
NCBI Official Full Name	lipopolysaccharide tri-O-methyl-fucosylation protein (SAM-dependent methyltransferase protein)
UniProt Protein Name	Lipopolysaccharide tri-O-methyl-fucosylation protein (SAM-dependent methyltransferase protein)
UniProt Gene Name	lpeA

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://www.aaabiotech.com/lbp-pig-elisa-kits/lipolysaccharide/55934>