

## Goat Lipopolysaccharide binding protein ELISA Kit | LBP elisa kit

Goat Lipopolysaccharide binding protein ELISA Kit

CATALOG #  
**AAA89081**

REACTIVITY  
**Goat**

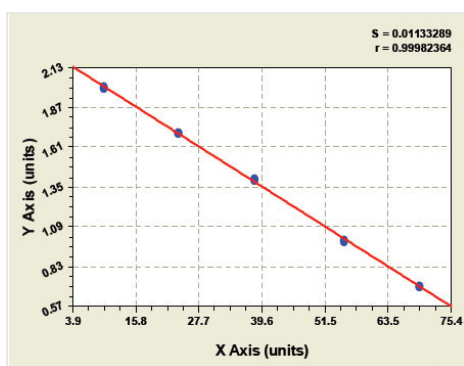
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Goat                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                          |
| Assay Type              | Competitive                                                                                                                                                                         |
| 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 Goat 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 monoclonal 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.

#### 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_004139.3                                                                                     |
| UniProt Accession #              | P18428; O43438; Q92672; Q9H403; Q9UD66; B2R938; Q8TCF0                                          |
| 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                | <b>LBP</b>                                                                                      |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/lbp-goat-elisa-kits/lipopolysaccharide-binding-protein/89081>