

## Human L phenylalanine ELISA Kit | LPA elisa kit

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CATALOG #  
**AAA86350**

REACTIVITY  
**Human**

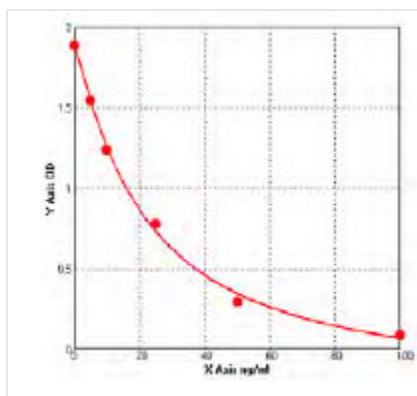
### PRODUCT SYNONYMS

L phenylalanine; Human L phenylalanine ELISA Kit; LPA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 1.0 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for LPA elisa kit

**Intended Uses:** This LPAELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LPA. This ELISA kit for research use only!

**Principle of the Assay:** LPAELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LPA antibody and an LPA-HRP conjugate. The assay sample and buffer are incubated together with LPA-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 LPA concentration since LPA from samples and LPA-HRP conjugate compete for the anti-LPA antibody binding site. Since the number of sites is limited, as more sites are occupied by LPA from the sample, fewer sites are left to bind LPA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LPA concentration in each sample is interpolated from this standard curve.

**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/lpa-human-elisa-kits/l-phenylalanine/86350>