

## Guinea Pig Leukotriene E4 ELISA Kit | LT-E4 elisa kit

Guinea pig Leukotriene E4 ELISA Kit

CATALOG #  
**AAA82159**

REACTIVITY  
**Guinea Pig**

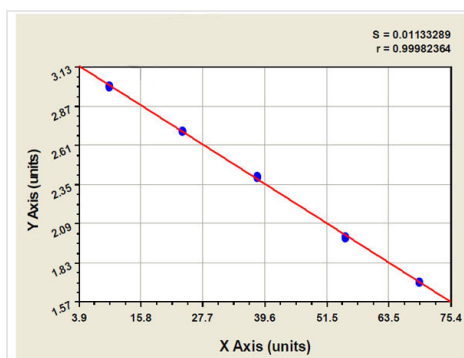
### PRODUCT SYNONYMS

Leukotriene E4; Guinea pig Leukotriene E4 ELISA Kit; LT-E4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Guinea Pig                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                    |
| Assay Type              | Competitive                                                                                                                                                                                   |
| Sensitivity             | 1.0 pg/mL.                                                                                                                                                                                    |
| Intended Uses           | This LT-E4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig LT-E4. 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 LT-E4 elisa kit

**Principle of the Assay:** LT-E4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LT-E4 antibody and an LT-E4-HRP conjugate. The assay sample and buffer are incubated together with LT-E4-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 LT-E4 concentration since LT-E4 from samples and LT-E4-HRP conjugate compete for the anti-LT-E4 antibody binding site. Since the number of sites is limited, as more sites are occupied by LT-E4 from the sample, fewer sites are left to bind LT-E4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LT-E4 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for LT-E4 elisa kit

Immunology

**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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