

**Elabscience®**

**Distributed by CliniSciences**

# ELISA Product Manual

Advancing Scientific Research with High-Performance ELISA Kits

—Recommended by CiteAb



*A Reliable Research Partner in Life Science and Medicine*

Elabscience Bionovation Inc.

**Distributed by**  
**CliniSciences Group**

# Elabscience® ELISA Kits

With over 15 years of experience, Elabscience® specializes in developing and manufacturing high-quality ELISA kits, offering thousands of validated products. Our ELISA kits are widely used by researchers in 150+ countries and regions and have contributed to thousands of scientific publications.

## ► Excellent Product Performance



### High Precision

Both inter and intra CV  $\leq$  10%



### High Sensitivity

Detection at fg/pg level



### High Specificity

Cross-reactivity < 10%



### High Recovery Rate

80%-120%



### Versatile Sample Compatibility

Serum, plasma, cultured cells, tissue homogenate, etc.



### User-Friendly

Complete kits with easy-to-follow protocols

## ► Strict Production Quality Inspection

### Reagent Quality

Advanced coating technology minimizes protein damage; unique HRP protection prevents data fluctuation.

### Quality Inspection

Strict three-step validation process guarantees performance, stability, and batch-to-batch consistency.



### Advanced Technology

International-standard production equipment and freeze-drying technology to ensure consistency.

### Traceability

Each product features a secure, traceable code linked to production history.

## ► Multiple Species



Human



Rat



Mouse



Rabbit



Monkey



Universal

## ► Wide Research Areas



Cancer



Immunology



Neuroscience



Stem Cells



Cardiovascular



Metabolism



Microbiology



Cell Biology



Signaling Transduction



Developmental Biology



Epigenetics and Nuclear Signaling



Tags and Cell Markers

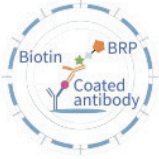
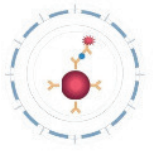
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## ► Types of ELISA Kits

Elabscience® provides more than 2,000 high-quality ELISA kits and EcoPlex™ kits, designed for diverse research applications.

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Traditional ELISA Kit</b><br> <ul style="list-style-type: none"><li>• Various protein targets</li><li>• Sample Volume: 100/50 µL</li><li>• Operation Steps: 3/2 Steps</li><li>• Storage: 2-8°C</li></ul> | <b>QuicKey Pro™ ELISA Kit</b><br> <ul style="list-style-type: none"><li>• Operation Time: <b>1.5 h</b></li><li>• Sample Volume: 50 µL</li><li>• Operation Steps: 1 Step</li><li>• Storage: 2-8°C</li></ul> | <b>Mini Sample ELISA Kits</b><br> <ul style="list-style-type: none"><li>• Operation Time: 3.5 h</li><li>• Sample Volume: <b>25 µL</b></li><li>• Operation Steps: 3 Steps</li><li>• Storage: 2-8°C</li></ul> |
| <b>High Sensitivity ELISA Kit</b><br> <ul style="list-style-type: none"><li>• Operation Time: 3.5 h</li><li>• Sample Volume: 100 µL</li><li>• Sensitivity: <b>fg/mL</b></li><li>• Storage: 2-8°C</li></ul>  | <b>Uncoated ELISA Kit</b><br> <ul style="list-style-type: none"><li>• Cost-effect and flexible to use</li><li>• Operation Steps: Multi-step</li><li>• Storage: -20°C</li></ul>                             | <b>EcoPlex™ Kit</b><br> <ul style="list-style-type: none"><li>• Multi-factor detection</li><li>• Sample Volume: 15/45 µL</li><li>• Operation Steps: Multi-step</li><li>• Storage: 2-8°C</li></ul>           |

## Elabscience® QuicKey Pro™ ELISA Kit

### Rapid, One-Step ELISA with 90-Minute Workflow

An advanced, **iterative upgrade** to traditional ELISA kits, requiring only **one wash step** and **one sample addition step** to save time and improve experiment efficiency.

### ► Research Area

#### Hormones

T  
E2/E3/Pg  
CORT/Cortisol

#### Inflammation

IL-6 FE  
IL-1R2 ICAM-1  
IL-8 CCL6  
CRP

#### Cardiovascular

D2D  
POSTN  
ADP/Acrp30

#### Immunoglobulin

IgA  
IgG  
IgG2c  
IgG3

#### Cancer

αFP  
CEA  
E-cad  
CLU

#### Developmental Biology

AMH  
IGF-1

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## Elabscience® Mini Sample ELISA Kit

### Designed for Small Sample Volumes

#### Product Features



##### Minimized Sample Volume

Only 25 µL per sample



##### Upgraded Production Process

Enhanced sensitivity and performance



##### Evolving Product Line

Continuously developing new products, following research trends

#### Research Area

##### Immunology

- CTSS
- C5a
- CRP
- IFN-γ
- IgM
- IL-10
- IL-12
- IL-12p40
- IL-17A
- IL-1ra/IL-1F3
- IL-1α
- IL-1β
- IL-2
- IL-22
- IL-23
- IL-4
- IL-5
- IL-6
- MPIF2
- TNF-α

##### Cardiovascular

- AGER
- DPP4
- ENG
- LEP
- LEPR
- MCP-2/CCL8
- NGAL
- NGF
- OPG
- POSTN/OSF-2
- REN
- RETN
- SDF-1/CXCL12
- SELE
- SELP

##### Metabolism

- ARG1
- FETUA
- GHR
- IGF-1
- IGF-2
- IGFBP-2
- IGFBP-6
- KIM-1
- TSP-1

##### Cancer

- CCL12/MCP-5
- G-CSF
- GM-CSF
- GROα/CXCL1
- HGF
- ICAM-1
- IFN-γR1
- LTF/LF
- MCP-1
- MMP-8
- RANTES
- TNFRSF1B
- VEGF-A
- VEGFR-2/KDR

## Elabscience® High Sensitivity ELISA Kit

### Increased Sensitivity by 2–100× Compared to Traditional Kits

#### Product Features



##### Higher Sensitivity

Detection sensitivity as low as fg/mL



##### Higher Detection Rate

The detection rate of normal serum plasma samples can reach 30%-100%



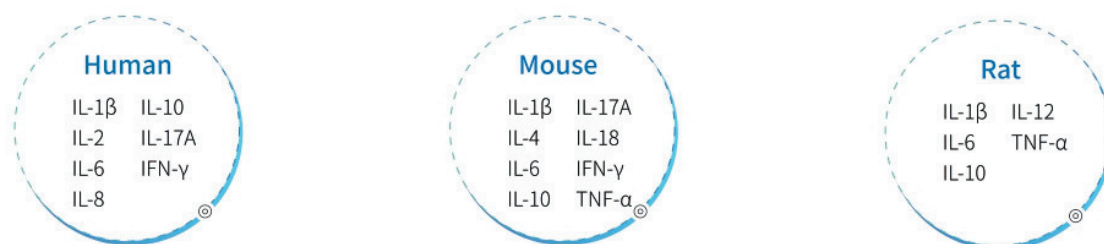
##### Multiple Sample Validation

Serum/Plasma/Cell culture supernatants/  
Tissue homogenates

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## ► High Sensitivity ELISA Targets



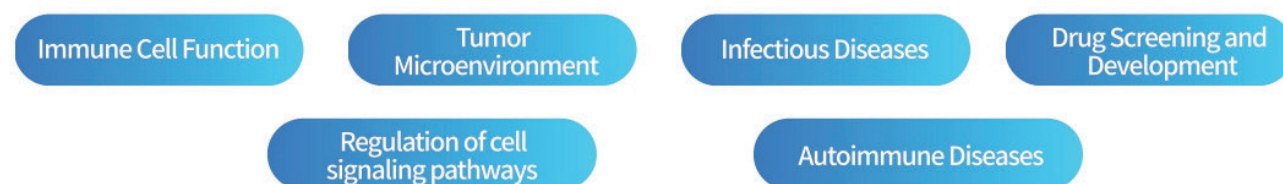
## Elabscience® EcoPlex™ Kit

Simultaneous quantification of multiple biomarkers (cytokines, chemokines, and growth factors) in a single sample, supporting analysis in cell culture supernatants, EDTA plasma, and serum.

## ► Product Features

-  **Low Sample Volume**  
Only needs 15-45  $\mu$ L
-  **High Throughput**  
Capable of simultaneously detecting up to 24 different indicators with high repeatability
-  **High Sensitivity**  
Detection limits for all indicators are below 10 pg/mL, with multi-indicator detection limits under 5 pg/mL
-  **Short Experiment Duration**  
Complete experiment in just 3 hours
-  **Precision-Optimized Diluents**  
Specialized diluents for serum, plasma, cell culture supernatant, cell/tissue lysates, and other bodily fluids
-  **Customization Services Available**  
Offers a wide range of premixed panel kits, providing customization services to meet specific client needs

## ► Research Area



## Top 10 Hot-selling ELISA Kits

| Cat. No.   | Products Name                                               | Size      | Citation Count |
|------------|-------------------------------------------------------------|-----------|----------------|
| E-EL-H0109 | Human TNF- $\alpha$ (Tumor Necrosis Factor Alpha) ELISA Kit | 48 T/96 T | 520            |
| E-EL-H0149 | Human IL-1 $\beta$ (Interleukin 1 Beta) ELISA Kit           | 48 T/96 T | 380            |
| E-EL-H6156 | Human IL-6(Interleukin 6) ELISA Kit                         | 48 T/96 T | 563            |
| E-EL-M0037 | Mouse IL-1 $\beta$ (Interleukin 1 Beta) ELISA Kit           | 48 T/96 T | 910            |

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| Cat. No.   | Products Name                                               | Size      | Citation Count |
|------------|-------------------------------------------------------------|-----------|----------------|
| E-EL-M0044 | Mouse IL-6(Interleukin 6) ELISA Kit                         | 48 T/96 T | 998            |
| E-EL-M0046 | Mouse IL-10(Interleukin 10) ELISA Kit                       | 48 T/96 T | 301            |
| E-EL-M3063 | Mouse TNF- $\alpha$ (Tumor Necrosis Factor Alpha) ELISA Kit | 48 T/96 T | 1245           |
| E-EL-R0012 | Rat IL-1 $\beta$ (Interleukin 1 Beta) ELISA Kit             | 48 T/96 T | 777            |
| E-EL-R0015 | Rat IL-6(Interleukin 6) ELISA Kit                           | 48 T/96 T | 829            |
| E-EL-R2856 | Rat TNF- $\alpha$ (Tumor Necrosis Factor Alpha) ELISA Kit   | 48 T/96 T | 1096           |

Note: The statistics are accurate as of 2024.

## ELISA Kits Cited in Citations

As of January 2025, Elabscience® ELISA products have been cited in 13,000+SCI papers, featured in renowned journals such as *Nature*, *Nature Medicine*, *Cell*, *Immunity*, and *Signal Transduction and Targeted Therapy*, etc.

| Target                  | Cat. No.     | Citation Information                                                                                                                                            | Research Area              |
|-------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| cGMP (Cyclic GMP)       | E-EL-0083    |                                                                                                                                                                 |                            |
| Mouse ADH               | E-EL-M0106   | Xu W, Li G, Chen Y, et al. A novel antidiuretic hormone governs tumour-induced renal dysfunction[J]. <i>Nature</i> , 2023, 624, 425-432.                        | Cancer<br>Metabolism       |
| Mouse ALB               | E-EL-M3032   |                                                                                                                                                                 |                            |
| Mouse BMG/ $\beta$ 2-MG | E-EL-M2411   |                                                                                                                                                                 |                            |
| Mouse ApoB              | E-EL-M3017   | Hu X, Chen F, Jia L, et al. A gut-derived hormone regulates cholesterol metabolism[J]. <i>Cell</i> , 2024, 187(7), 1685-1700.                                   | Metabolism                 |
| cAMP                    | E-EL-0056    | Wang W W, Ji S Y, Zhang W, et al. Structure-based design of non-hypertrophic apelin receptor modulator[J]. <i>Cell</i> , 2024, 187(6), 1460-1475.               | Cardiovascular             |
| EPI                     | E-EL-0045    | Meng J J, Shen J W, Li G, et al. Light modulates glucose metabolism by a retina-hypothalamus-brown adipose tissue axis[J]. <i>Cell</i> , 2023, 186(2): 398-412. | Neuroscience<br>Metabolism |
| NA/NE                   | E-EL-0047    |                                                                                                                                                                 |                            |
| Mouse CORT              | E-OSEL-M0001 |                                                                                                                                                                 |                            |
| Mouse GC                | E-EL-M0555   |                                                                                                                                                                 |                            |
| Mouse GHRL              | E-EL-M0551   |                                                                                                                                                                 |                            |
| Mouse GLP-1             | E-EL-M3012   |                                                                                                                                                                 |                            |
| Mouse OXA               | E-EL-M0860   |                                                                                                                                                                 |                            |



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