

**Elabscience®**

# 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.

# 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



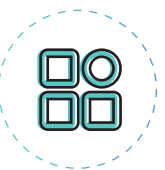
Mouse



Rabbit



Monkey



Universal

## ► Wide Research Areas



Cancer



Immunology



Neuroscience



Stem Cells



Cardiovascular



Metabolism



Microbiology



Cell Biology



Signaling Transduction



Developmental Biology



Epigenetics and Nuclear Signaling

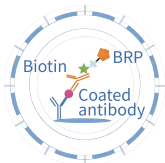


Tags and Cell Markers

## ► Types of ELISA Kits

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

### Traditional ELISA Kit



- Various protein targets
- Sample Volume: 100/50 µL
- Operation Steps: 3/2 Steps
- Storage: 2-8°C

### QuicKey Pro™ ELISA Kit



- Operation Time: **1.5 h**
- Sample Volume: 50 µL
- Operation Steps: 1 Step
- Storage: 2-8°C

### Mini Sample ELISA Kits



- Operation Time: 3.5 h
- Sample Volume: **25 µL**
- Operation Steps: 3 Steps
- Storage: 2-8°C

### High Sensitivity ELISA Kit



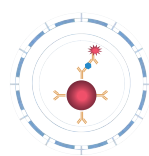
- Operation Time: 3.5 h
- Sample Volume: 100 µL
- Sensitivity: **fg/mL**
- Storage: 2-8°C

### Uncoated ELISA Kit



- Cost-effect and flexible to use
- Operation Steps: Multi-step
- Storage: -20°C

### EcoPlex™ Kit



- Multi-factor detection
- Sample Volume: 15/45 µL
- Operation Steps: Multi-step
- Storage: 2-8°C

## 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

# 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
- IL-1 $\alpha$
- C5a
- IL-1 $\beta$
- CRP
- IL-2
- IFN- $\gamma$
- IL-22
- IgM
- IL-23
- IL-10
- IL-4
- IL-12
- IL-5
- IL-12p40
- IL-6
- IL-17A
- MPIF2
- IL-1ra/IL-1F3
- TNF- $\alpha$

#### Cardiovascular

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

#### Metabolism

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




#### Cancer

- CCL12/MCP-5
- MMP-8
- G-CSF
- RANTES
- GM-CSF
- TNFRSF1B
- GRO $\alpha$ /CXCL1
- VEGF-A
- HGF
- VEGFR-2/KDR
- ICAM-1
- IFN- $\gamma$ R1
- LTF/LF
- MCP-1

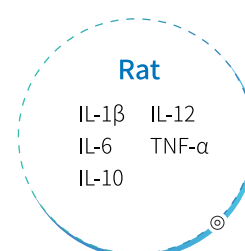
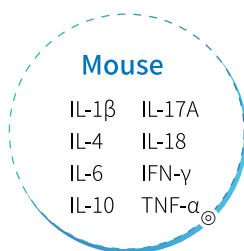
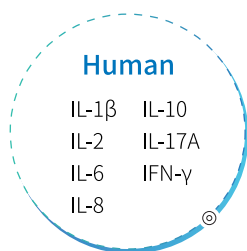
# Elabscience® High Sensitivity ELISA Kit

## 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

## ► 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 Sensitivity

Detection limits for all indicators are below 10 pg/mL, with multi-indicator detection limits under 5 pg/mL



### Precision-Optimized Diluents

Specialized diluents for serum, plasma, cell culture supernatant, cell/tissue lysates, and other bodily fluids



### High Throughput

Capable of simultaneously detecting up to 24 different indicators with high repeatability



### Short Experiment Duration

Complete experiment in just 3 hours



### Customization Services Available

Offers a wide range of premixed panel kits, providing customization services to meet specific client needs

## ► Research Area

Immune Cell Function

Tumor  
Microenvironment

Infectious Diseases

Drug Screening and  
Development

Regulation of cell  
signaling pathways

Autoimmune Diseases

## 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

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.



## Product 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	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 Metabolism
Mouse ADH	E-EL-M0106		
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 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		

For more citation information, please visit [www.elabscience.com](http://www.elabscience.com).