

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 ≤ 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



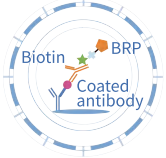





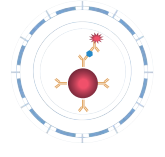
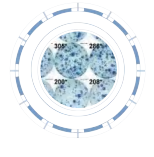
Epigenetics and Nuclear Signaling



Tags and Cell Markers

Types of ELISA Kits

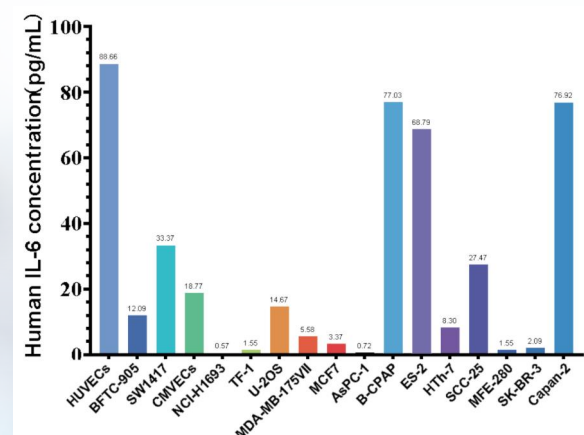
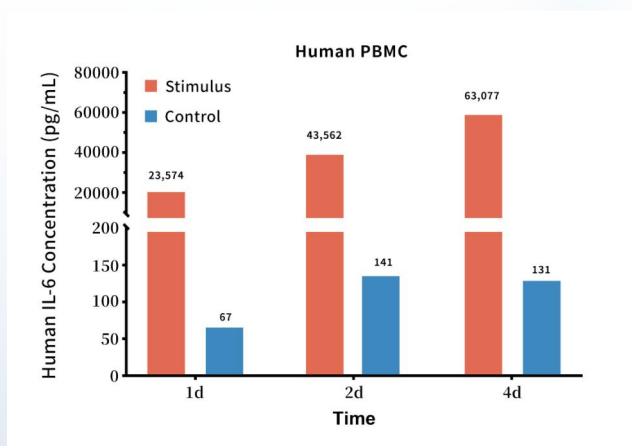
Elabscience® provides more than 2,000 high-quality ELISA kits and AptPlex™ kits, designed for diverse research applications.

<h3>Traditional ELISA Kits</h3>  <ul style="list-style-type: none"> Various protein targets Sample Volume: 100/50 µL Operation Steps: 3/2 Steps Storage: 2-8°C 	<h3>QuicKey Pro™ ELISA Kits</h3>  <ul style="list-style-type: none"> Operation Time: 1.5 h Sample Volume: 50 µL Operation Steps: 1 Step Storage: 2-8°C 	<h3>Mini Sample ELISA Kits</h3>  <ul style="list-style-type: none"> Operation Time: 3.5 h Sample Volume: 25 µL Operation Steps: 3 Steps Storage: 2-8°C 	<h3>High Sensitivity ELISA Kits</h3>  <ul style="list-style-type: none"> Operation Time: 3.5 h Sample Volume: 100 µL Sensitivity: fg/mL Storage: 2-8°C
<h3>CellaQuant™ ELISA Kits</h3>  <ul style="list-style-type: none"> Precise for cell samples Includes quality controls Sample Volume: 100 µL Operation Steps: 3 Steps Storage: 2-8°C 	<h3>Uncoated ELISA Kits</h3>  <ul style="list-style-type: none"> Cost-effect and flexible to use Operation Steps: Multi-step Storage: -20°C 	<h3>AptPlex™ Kits</h3>  <ul style="list-style-type: none"> Multi-factor detection Sample Volume: 15/45 µL Operation Steps: Multi-step Storage: 2-8°C 	<h3>ELISPOT Kits</h3>  <ul style="list-style-type: none"> Single-cell resolution Sample Volume: 0.5-2.5 × 10⁵ cells/well Operation Steps: Multi-step Storage: 2-8°C

Elabscience® CellaQuant™ ELISA Kits

Extensively Cell-validated with Built-in QC




The CellaQuant™ Human IL-6 ELISA Kit (CQH001) demonstrates excellent performance in validated PBMC stimulation models and various common cell lines, guaranteeing stable and reliable results.



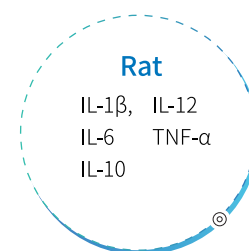
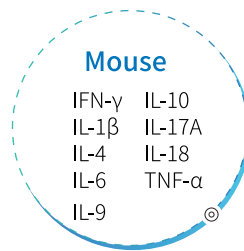
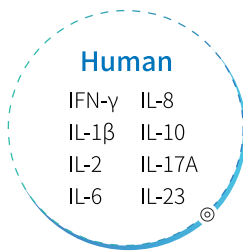
Elabscience® High Sensitivity ELISA Kits

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® QuicKey Pro™ ELISA Kits

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

Immunotherapy & Inflammation

IL-6	IL-1R2
IL-8	sST2
CRP	IgG/IgA
C5a	IgG2c/IgG3
IL-18	

Cardiovascular & Metabolic Diseases

sST2	ICAM-1
GAL3	CRP
PCSK9	INS
ACE2	LEP
VCAM-1	ADP/Acrp30

Oncology Research

IL-6	EGFR
IL-8	CASP3
CCL6	MMP-3
POSTN	α FP
CD147	CEA, CA19-9

Regenerative Medicine

α FP	IGF-1
E-cad	
POSTN	
PIIINP	
AMH	

Endocrinology

T	HCG
E2/E3	AMH
Pg	CORT
FSH	Cortisol
LH	INS

Elabscience® Mini Sample ELISA Kits

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® AptPlex™ Kits

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 µL



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

Immune Cell Function

Tumor
Microenvironment

Infectious Diseases

Drug Screening and
Development

Regulation of cell
signaling pathways

Autoimmune Diseases

ELISA Kits Cited in Publications

As of 2025, Elabscience® ELISA kits have been cited in over 17,000+ SCI papers, featured in renowned journals such as *Nature*, *Nature Medicine*, *Cell*, *Immunity*, and more.

Target	Cat. No.	Publication Information	Journal
cGMP (Cyclic GMP)	E-EL-0083	A novel antidiuretic hormone governs tumour-induced renal dysfunction, 2023.	<i>Nature</i>
Mouse ADH	E-EL-M0106		
Mouse ALB	E-EL-M3032		
Mouse BMG/ β 2-MG	E-EL-M2411		
Mouse ApoB	E-EL-M3017	A gut-derived hormone regulates cholesterol metabolism, 2024.	<i>Cell</i>
cAMP	E-EL-0056	Structure-based design of non-hypertrophic apelin receptor modulator, 2024.	<i>Cell</i>
EPI	E-EL-0045		
NA/NE	E-EL-0047		
Mouse CORT	E-OSEL-M0001		
Mouse GC	E-EL-M0555	Light modulates glucose metabolism by a retina-hypothalamus-brown adipose tissue axis, 2023.	<i>Cell</i>
Mouse GHRL	E-EL-M0551		
Mouse GLP-1	E-EL-M3012		
Mouse OXA	E-EL-M0860		
Human F8(Coagulation Factor VIII)	E-EL-H6116	Humanized mouse liver reveals endothelial control of essential hepatic metabolic functions, 2023.	<i>Cell</i>
Human IFN α	E-EL-H6125	Single-cell atlas of the esophageal squamous cell carcinoma immune ecosystem to predict immunotherapy response, <i>Signal Transduction and Targeted Therapy</i> , 2025.	<i>Signal Transduction and Targeted Therapy</i>
Human IFN- γ	E-EL-H0108		
Mouse INS	E-EL-M1382		
DA	E-EL-0046	Dual regulation of mitochondrial fusion by Parkin-PINK1 and OMA1, 2025.	<i>Nature</i>

For more citation information, please visit www.elabscience.com.

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