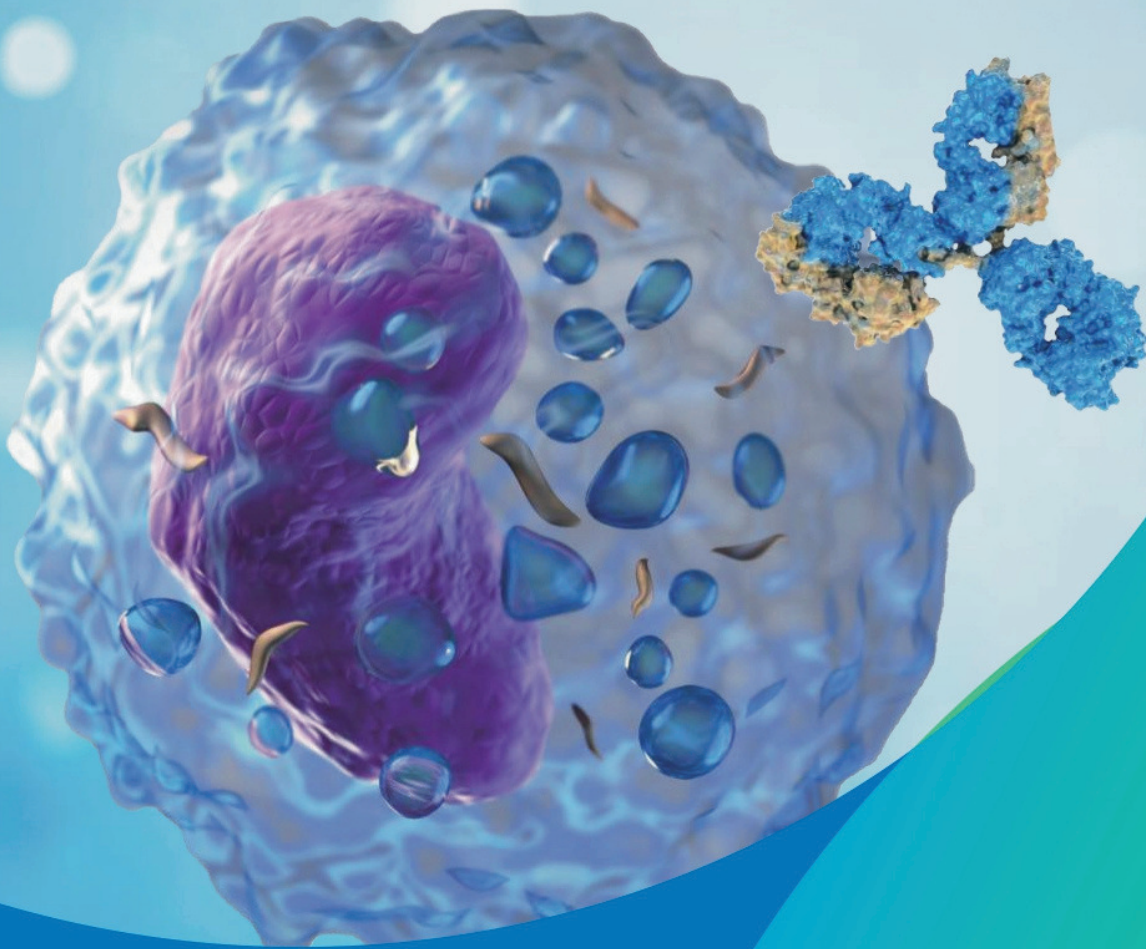


**Elabscience®**



**Elabscience®**

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**One-stop Solution for Cell Detection**

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# ① Introduction to Elabscience®

## Expertise in Cell Detection, Providing One-stop Solution for Cell Detection

Elabscience® specializes in cell detection technology for the life science community. We have complete platforms for both R&D and manufacturing. Additionally, we have in-house QC for every product, ensuring consistent and precise experimental results. Through continuous effort and development, we have been able to offer our products across various geographical locations, with customers in more than 150 countries and regions worldwide.



Elabscience® Group consists of four brands: Elabscience, DIA•AN, Pricella, and Uni-science. Each brand operates in its own domain, manufacturing Flow Cytometry Antibodies, Cell Metabolic Assay Kits, ELISA Kits, Cell and Related Culture Reagents, Cell Function Detection Kits, Antibody & Protein Raw Materials, and IVD Products. All of these products have passed ISO9001 international certification and EU CE certification.



Our group is proud to have over 12,000 m<sup>2</sup> of office space and a 15,000 m<sup>2</sup> production facility equipped with a sophisticated GMP-certified clean room and an impeccable quality management system. 1/3 of our team over 700 have advanced degrees who drive our innovation and success.

**18800+**

Publications

**1000+**

Cooperation Units

**150+**

Countries Worldwide

**5**

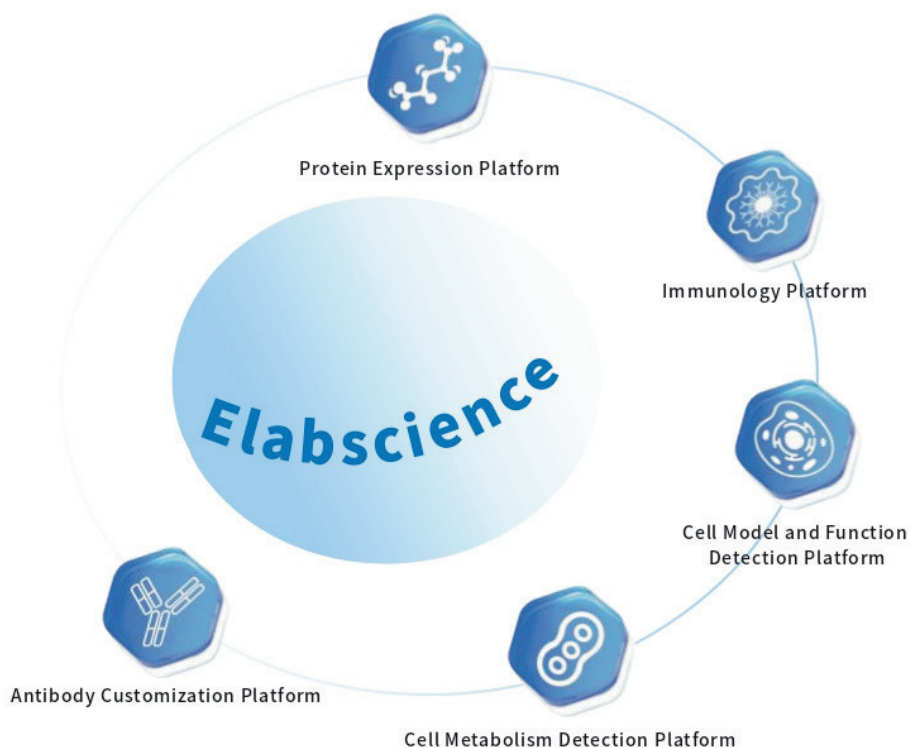
Technology Platforms

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## ■ Technology Platforms: Provide Customers with Comprehensive Cell Detection-related Products and Services



Elabscience® capitalizes on its comprehensive strengths within the biotech value chain to create five specialized technology platforms: **Protein Expression**, **Immunology**, **Cell Model and Function Detection**, **Cell Metabolism Detection**, and **Antibody Customization**. With a focus on innovative R&D and stringent quality assurance, Elabscience® provides researchers worldwide with high-caliber, dependable experimental tools and scientific support.

## ■ Professional Teams: Provide One-stop Services from Pre-sales to After-sales, from Products to Experimental Solutions

### R&D Team

Specialized with advanced cell detection project experience, focuses on the cutting-edge market, empowers customers to achieve high-level scientific and technological achievements of transformation and innovation.

### Technical Team

A technical team composed of 100+ professionals with advancing practical experience to provide solutions for customers' needs.

### Customer Service Team

24 hours online response, professional service.

### Sales Team

Understand the needs of distributors, and quickly provide the best market solutions.

Distributed by

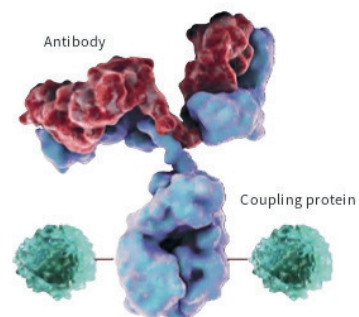
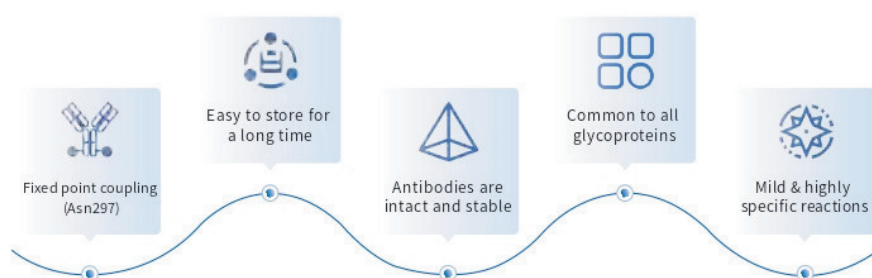
**CliniSciences Group**



## ■ Technological Innovation: Provide Cutting-Edge Products and Upgraded Services with Continuous R&D

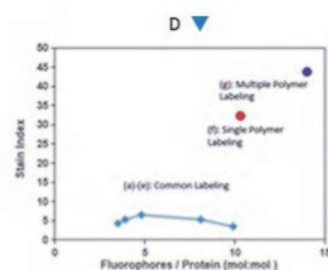
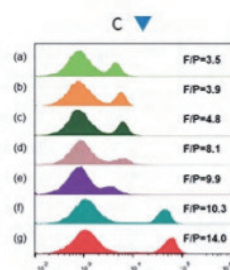
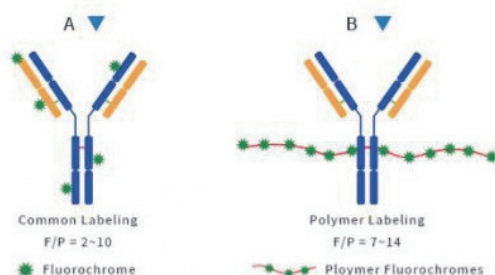
### ≡ Protein Labeling Process Upgrade iteration: Complex biochemical labeling into simple building blocks

Upgraded to the 4th generation: Enzymatic Glycosyl Click



### ≡ Fluorescent Polymer Labeling: Based on multi-arm long chain skeleton, with high brightness labeling

Single point polymerized dye, directional labeling



▲ Random Labeling

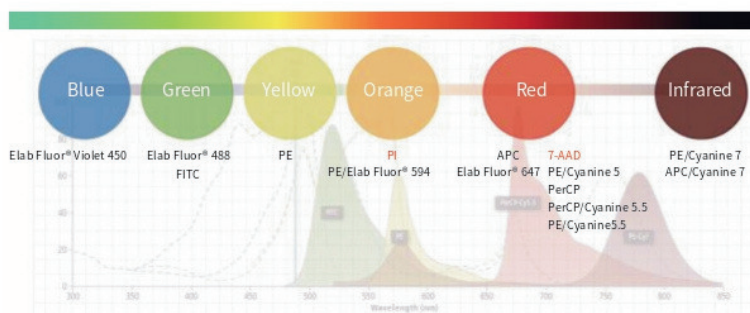
▲ Poly-dyes with Directional Labeling

▲ Change of Staining Index with F/P Ratio

### ≡ Series Dyes Labeling: Realize the color world under single wavelength excitation

Advantages

- ① The self-developed series dye synthesis and labeling technology
- ② Lower requirement of Flow Cytometer laser for multi-color detection



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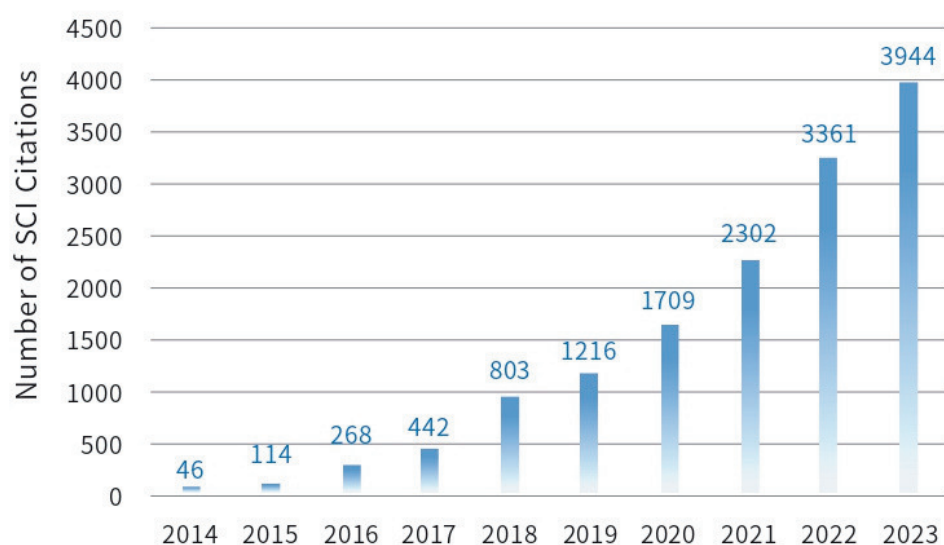
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■ 40+ Authorized Patents. Products were cited in 18800+ SCI publications

**6** Authorized  
Invention Patents

**39** Authorized Utility  
Model Patents

**14** Pending  
Application of Invention



Elabscience® SCI citation Trends in Recent 10 Years

**18800 +**  
SCI Citations

**92000 +**  
Cumulative Impact  
Factor

**66.9**  
Highest Impact Factor



- Products Have Been Delivered to Clients in More than 150 Countries and Regions Around the World



© Our customers have spread in more than 150 countries all over the world.

- Always Based on Customer Needs, Providing Professional, Reliable, Efficient and Convenient Products and Solutions



**Professional and  
Reliable**

Repeated Cited in  
*Nature Medicine,*  
*Nature and Cell*



**Convenient and  
Efficient**

One-stop Products and  
Services for Customers



**Global Trust**

Elabscience® Has Become  
a Globally Renowned  
Supplier



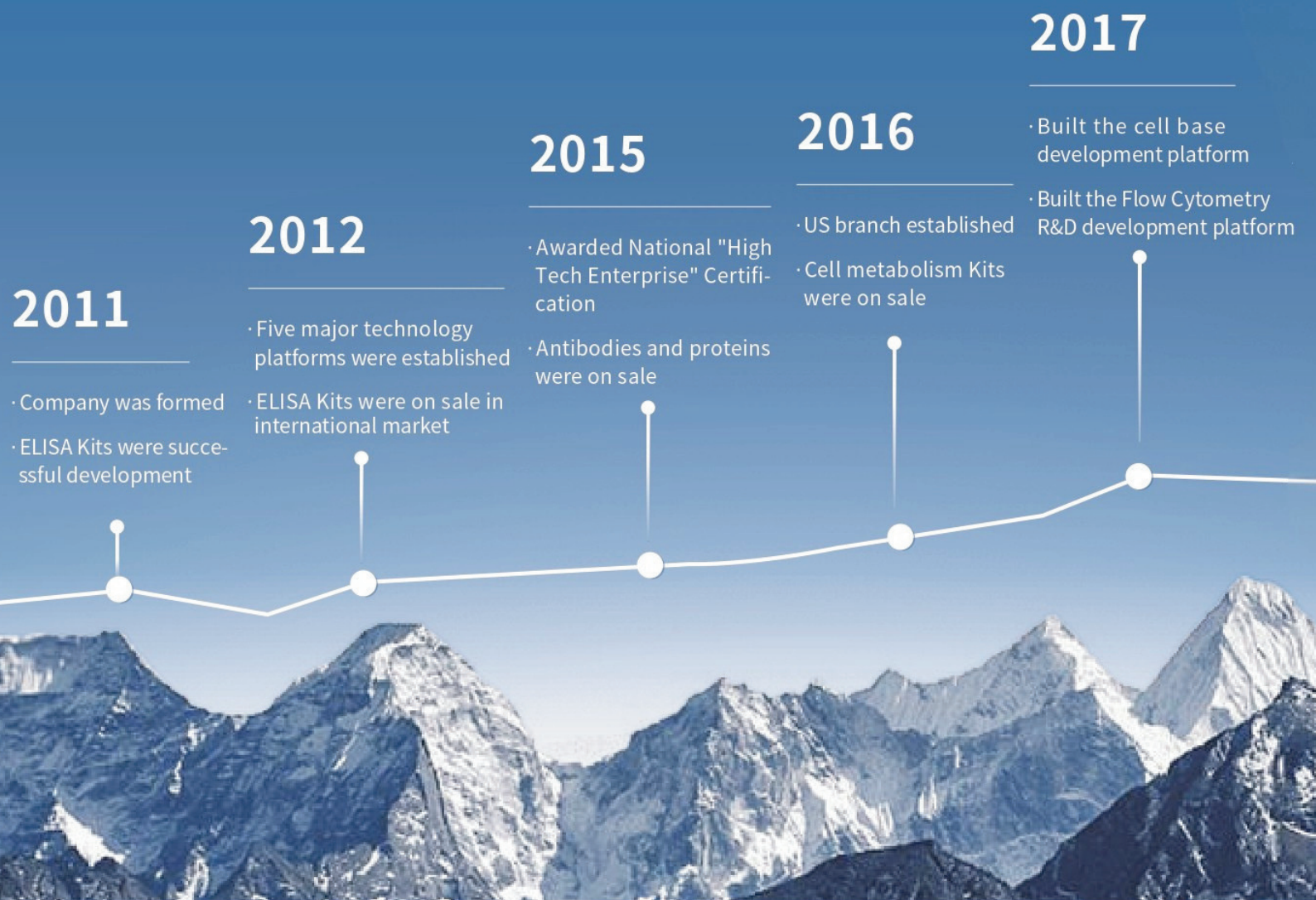
**Thoughtful Service**

Technical Support  
Provide Solutions within  
24 Hours

**Distributed by**

**CliniSciences Group**

# Major Events in Enterprise Development



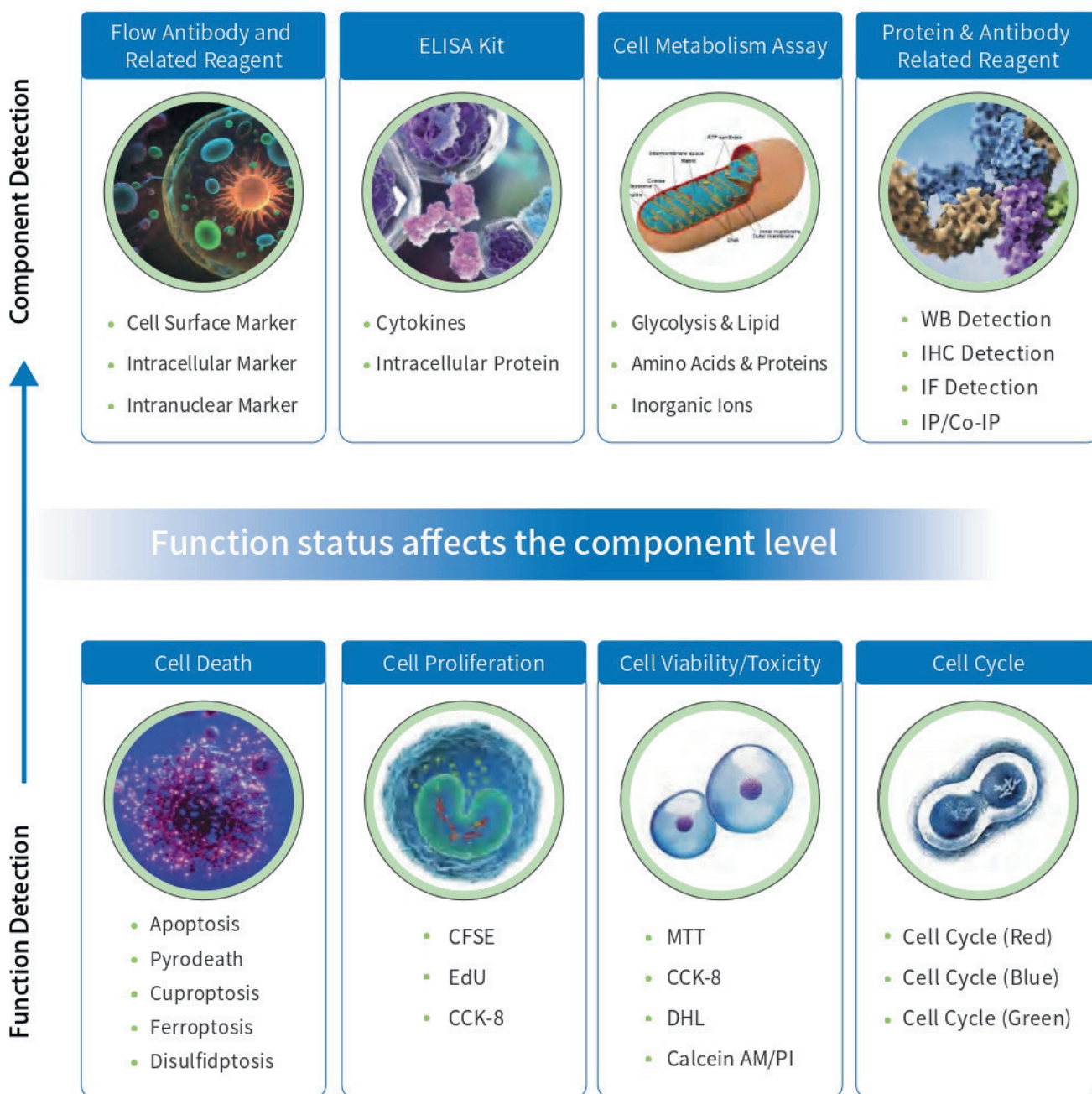




# Product Line Introduction

Expert in Cell Detection, Providing One-Stop Solution

Elabscience® group combines the advantages of the industry chain, and consistently carries out technological innovation, possesses the remarkable technology, creates excellent R&D strength, adheres to high standards of quality control system, and provides professional and reliable products and services for global biotech researchers.



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# Flow Cytometry Antibody

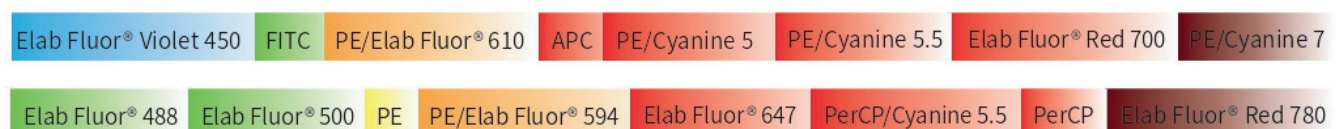
A Trustworthy Supplier of Flow Cytometry Antibody



After more than 7 years of growth and accumulation, Elabscience® has 3300+ Flow Cytometry Antibodies, covering anti-human/rat/mouse, etc., rich indicators to meet the needs of customers Flow Cytometry detection. At the same time, Elabscience® can provide the necessary reagents for Flow Cytometry experiments, including isotype controls, fluorochromes, labeling kit, and FCM reagents for intracellular factor detection such as fixed membrane permeabilization and cell stimulation and protein transport inhibitor. In addition, Elabscience® also provides customers with high-quality services, including free Flow Cytometry panel design, data analysis, etc.

## Rich Indicators and 16 Kinds of Fluorochromes to Meet the Diversity of Flow Cytometry Detection Needs

©There are 16 fluorochromes available, and more fluorochromes labeled Flow Cytometry Antibodies are coming to market.



©Selecting classic clone cited in publications as the source of Flow Cytometry Antibodies, with abundant markers.

CD33 CD24 CD86 CD10 CD274/PD-L1 IgM CD34 CD123 CD117 CD61 CD13 CD40 CD29 CD45RA CD147 CD32 CD45 CD4 CD29 CD161 CD197/CCR7 CD105 CD11c CD69 CD38 CD25 CD54 CD44 CD73 CD15 IL-4 CD11b CD31 CD27 CD279 CD107a/LAMP-1 CD14 CD127/IL-7RA CD66b CD196/CCR6 HLA-A,B,C CD3 CD36 IFN-γ CD183/CXCR3 CD133 CD20 CD16 CD83 CD28 CD41 IL-17A CD56 CD5 CD9 CD80 CD8a CD326 CD47 CD19 CD206 CD184/CXCR4 PD-L1 CD273/PD-L2 CD90 IgD CD81 CD64

Anti-Human

CD3 CD8a CD4(domain 1) CD44H CD90 CD45

Anti-Rat

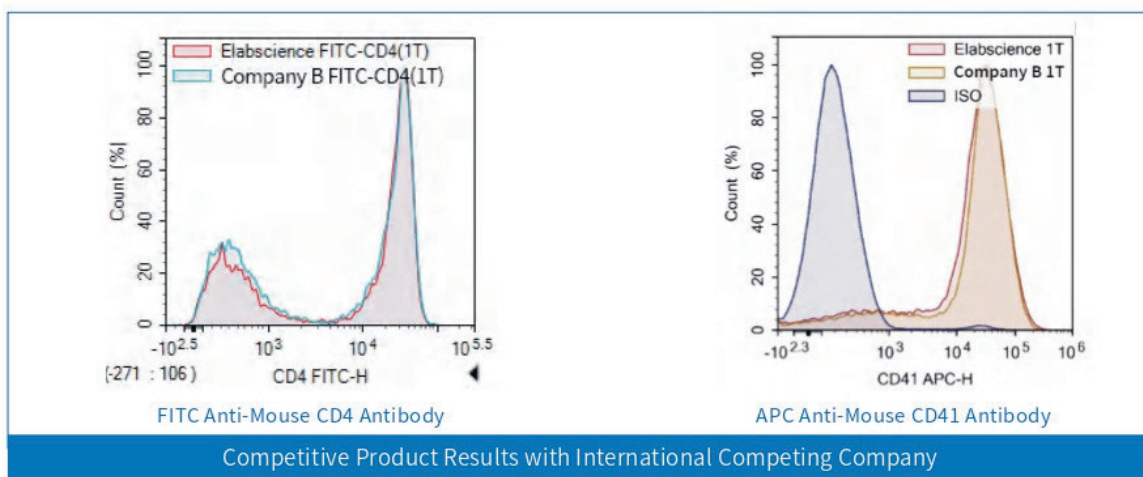
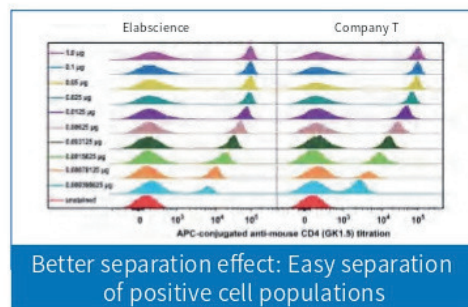
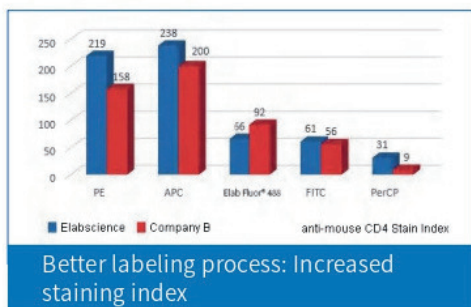
Gr-1 CD73 CD25 CD19 CD3 CD103 CD45 CD161/NK1.1 CD274 CD38 CD62L IL-2 CD40.1 CD127/IL-7RA CD45R CD162 CD28 CD206 NK1.1 TCRβ CD64 CD127 F4/80 CD326 CD8a CD1b CD86 CD69 IFNγ CD117 CD49b CD40 CD115 CD335 CD80 CD45.2 CD122 CD16 CD115 CD90.2 CD45R/B220 Ly-6G CD31 TER-119 CD105 MHC II CD48 CD90 CD45.1 H-2 CD279/PD-1 CD11b CD44 CD11c CD41 IL-4 CD11b IL-10 CD3ε CD274/PD-L1 MHC II (I-A/I-E)

Anti-Mouse

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## Fixed Point Non-Destructive Labeling Technology, Product Quality is Reliable



## Self-Developed, With More Guaranteed Quality

Elabscience® Flow Cytometry Antibodies are locally developed, regular indicators stock, can quickly respond to customer needs, and reduce the impact of transportation time on product quality.

## Professional Team to Provide Value Services, Free Flow Cytometry Panel Design and Data Analysis

Elabscience® has featured service including product pre-sale recommendation, after-sales service, Flow Cytometry panel design, data analysis and can help customers solve pre-sale and after-sales problems, provide help for customers to set up experimental schemes, analysis of experimental results, and help customers get accurate and ideal experimental results.

### Elabscience® Professional Flow Cytometry Panel Design Service

Provided with Flow Cytometry experimental indicators (specificities, logical relationships or references, expression level softarget maker) and basic information of Flow Cytometer (laser, detection channel, filter information), Elabscience® will offer professional and free Panel Design Services based on your experiments.



### Process of Panel Design Services



◎ Estimate experimental design and data integrity



◎ Fluorescence wavelength information



◎ Query the strength of marker expression



◎ Balance antigen density and Fluorochrome brightness

## Elabscience® Professional Flow Cytometry Data Analysis Services

Elabscience® provides professional Data Analysis Services for free! It's available to our product users once they provide FCS format data and markers' logical relationships to our technical support.

### Process of Data Analysis Services



◎ Collect information from customers



◎ Assess experimental design and data integrity



◎ Conduct data analysis



◎ Deliver analysis results

## Flow Cytometry Antibody High IF Publications

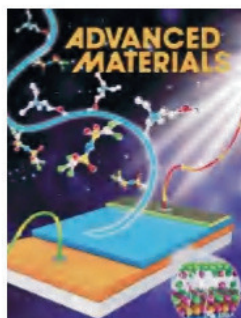
In 2018, Elabscience® launched the Flow Cytometry Antibody series, and since then, the number of publications published by customers using Elabscience® Flow Cytometry Antibody has increased year by year, and the growth trend is stable. By the end of December 2023, there were **252** high-score articles published using Elabscience® Flow Cytometry Antibody, of which **67** articles had an impact factor  $\geq 10$ , and the highest IF was **37.8** (*Circulation*). The increase in the number of publication citations indicates that Elabscience® Flow Cytometry Antibody has entered the attention of a large number of researchers, and the increase in the number of publication citations in the future is worth looking forward to.

IF=37.8



PE Anti-Mouse CD54  
(E-AB-F1018D)

IF=32.1



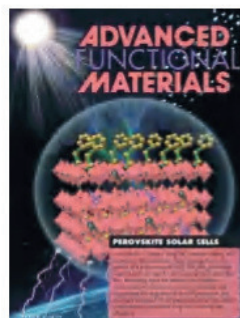
APC Anti-Mouse CD62L  
(E-AB-F1011E)

IF=25.7



PE Anti-Mouse CD106  
(E-AB-F1091D)

IF=19.9



PerCP/Cyanine5.5  
Anti-Rat CD45  
(E-AB-F1227UJ)

IF=17.7



FITC Anti-Mouse/  
Human CD11b  
(E-AB-F1081C)

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## Elabscience® Hot Flow Cytometry Antibody

Cell Type	Reactivity	Maker			
T Cell	Human	CD3-PE	CD4-FITC	CD8a-APC	
	Mouse	CD3-PE	CD4-FITC	CD8a-APC	
B Cell	Human	CD3-FITC	CD19-APC		
	Mouse	CD3-FITC	CD19-APC		
NK Cell	Human	CD45-APC	CD3-FITC	CD16-PE	CD56-PE
	BALB/c Mouse	CD3-FITC	CD49b-APC		
	C57BL/6 Mouse	CD3-FITC	NK1.1-APC		
Th1/Th2 Cell	Human	CD3-Per/Cyanine5.5	CD4-FITC	IFN-γ-PE	IL-4-APC
	Mouse	CD3-Per/Cyanine5.5	CD4-FITC	IFN-γ-PE	IL-4-APC
Th17 Cell	Human	CD3-Per/Cyanine5.5	CD4-FITC	IL-17A-PE	
	Mouse	CD3-Per/Cyanine5.5	CD4-FITC	IL-17A-PE	
Treg Cell	Human	CD4-FITC	CD25-PE	CD127-APC	
	Mouse	CD4-FITC	CD25-PE	FOXP3-APC	

## Elabscience® Labeling Kits and Related Products

At present, there are 20 Elabscience® labeling kits, including 15 fluorochrome labeling kits and 5 biotin labeling kits. Each labeling kit is available in three ultrafiltration tube sizes to meet different molecular weight protein/antibody labeling needs.

### Fluorochrome

Cyanine 3	Cyanine 5	Cyanine 7	Cyanine 5.5	Elab Fluor® 430
Elab Fluor® 680	Elab Fluor® 488	Elab Fluor® 700	Elab Fluor® 568	Elab Fluor® 750
Elab Fluor® 594	Elab Fluor® Violet 450	Elab Fluor® 647	FITC	Elab Fluor® 780

### Biotin

Chromogenic Biotin	Biotin	Long-arm Biotin	Water-soluble Biotin	Water-soluble Long-arm Biotin
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## BSA Removal Kit

Cat. No.	Product Name	Size
E-LK-R002	BSA Removal Kit	10 Reaction

## Elabscience® Fluorochrome Dyes

Cat. No.	Product Name	Excitation Laser Lines (nm)	Excitation Max (nm)	Emission Max (nm)
E-FN-N102	PE (R-Phycoerythrin)	488/561	495, 565	575
E-FN-N103	APC (Allophycocyanin)	633	650	660
E-FN-N104	PerCP (Peridinin-Chlorophyll-Protein Complex)	488	440, 480, 675	675
E-FN-L103	Cross-linked APC	633	650	660
E-FN-S102	SMCC Activated R-PE	488/561	495, 565	575
E-FN-S103	SMCC Activated APC	633	650	660
E-FN-S104	SMCC Activated PerCP	488	440, 480, 675	675
E-FN-S101	SMCC Activated Peroxidase (HRP)	—	—	—

## FCM Reagents

Elabscience® offers a wide range of Flow Cytometry reagents, including red blood cell lysis, cell stimulation and protein transport inhibitor, buffer, nuclear staining, cell fixation/permeabilization, FcR blocking and other Flow Cytometry reagents to help customers successfully conduct Flow Cytometry experiments.

Product Categories	Cat. No.	Product Name	Application
Red Blood Cell Lysis	E-CK-A105	10×ACK Lysis Buffer	Red Blood Cell Lysis
	E-CK-A106	10× RBC Lysis/Fixation Solution	Red Blood Cell Lysis
Cell Stimulation and Protein Transport Inhibitor	E-CK-A091	Cell Stimulation and Protein Transport Inhibitor Kit	Stimulation/Transport Inhibitor
	E-CK-A019	Cell Stimulation MIX Kit	Cell Stimulation
	E-CK-A013	Protein Transport Inhibitor MIX	Protein Transport Inhibitor
Buffer	E-CK-A107	Cell Staining Buffer	Dilution and Wash
Nuclear Staining	E-CK-A161	PI Reagent	Nuclear Staining
	E-CK-A162	7-AAD Reagent	Nuclear Staining
	E-CK-A163	DAPI Reagent	Nuclear Staining
Cell Fixation/Permeabilization	E-CK-A108	Foxp3/Transcription Factor Staining Kit	Fixation/Permeabilization
	E-CK-A109	Intracellular Fixation/Permeabilization Buffer Kit	Intracellular Fixation/Permeabilization
FcR Blocking	E-AB-F0997A	Purified Anti-Mouse CD16/32 Antibody	Mouse Sample Blocking
	E-AB-F1236A	Purified Anti-Human CD16 Antibody	Human Sample Blocking

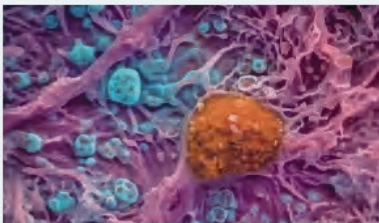


## IV Cell Function Detection Assays

Provide Customers with One-stop Solutions for Cell Function Detection

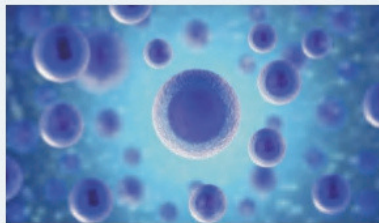
The key to cell related research is cell function detection. Elabscience® provides various Cell Function Detection Assays to assist customers in cell related research.

Rich Categories Meet the Diverse Needs of Cell Function Detection



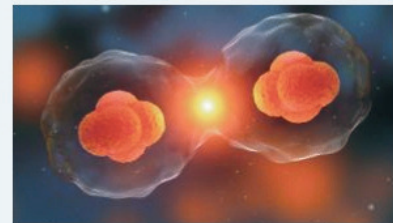
### Apoptosis detection

- ⊙ Annexin V Apoptosis Kit
- ⊙ TUNEL Apoptosis Kit
- ⊙ Mitochondrial Assay Kits
- ⊙ Caspase Activity Assay kit



### Cell proliferation/viability/cytotoxicity detection

- ⊙ CFSE Cell Division Tracker Kit
- ⊙ Calcein AM/PI Double Staining Kit
- ⊙ E-Click EdU Cell Proliferation Detection Kit
- ⊙ CCK-8 cell viability detection kit
- ⊙ LDH cytotoxicity detection kit



### Cell cycle detection

- ⊙ Cell cycle detection kit (red)
- ⊙ Cell cycle detection kit (blue)
- ⊙ Cell cycle detection kit (green)

Professional Team, Providing Reliable Products and Quality Services



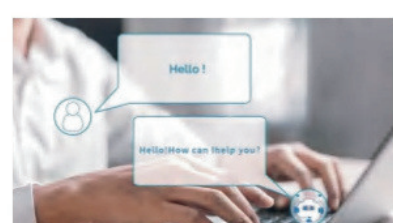
### Professional R&D team

The R&D team has a Ph.D. ratio of up to 50%, generating a robust professional environment and a fully integrated industrial ecosystem.



### Strong production and quality inspection team

Elabscience® Cell Function Detection Assays undergo stringent quality control procedures and comprehensive comparative verification to ensure exceptional quality and optimal performance.




### Mature technical support team

A technical support service team to provide you with a full range of technical guidance within 24 hours and ensures worry-free after-sales service.

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**CliniSciences Group**

## Key Raw Materials are Self-developed, Product Quality is Reliable and Cost-effective




**Based on Dia-An Biotechnology**

A high-tech team with more than 20 years of experience in protein and enzyme development, provides Elabscience® with high-quality raw materials.



**Relying on five characteristic technology platforms**

Through characteristic technology platforms we provide professional and reliable products.



**Strictly control product quality**

All products must assess ISO 9001 and ISO 13485 certification, to ensure stable product quality.

## High Efficiency and Sensitivity of Cell Function Detection Assays, Has Been Widely Recognized and Praised. Cited by 700+ SCI Publications

By the end of Dec. 2023, there has been **720** SCI publications using Elabscience® cell function detection products, with a cumulative IF of **4207.8**. The highest IF achieved is **64.5** (*Cell*).

Product Name	Cat. No.	Citation Quantity	IF
Annexin V-FITC/PI Apoptosis Kit	E-CK-A211	202	1117.0
Enhanced Cell Counting Kit 8 (WST-8/CCK8)	E-CK-A362	92	570.5
Annexin V-APC/7-AAD Apoptosis Kit	E-CK-A320	89	603.5
Cell Cycle Assay Kit (Red Fluorescence)	E-CK-A351	44	202.6
Annexin V-APC/PI Apoptosis Kit	E-CK-A217	38	223.7





## Star Products—Annexin V Apoptosis Detection Kits

Annexin V is an effective method to distinguish early apoptosis, late apoptosis.

Elabscience® has developed Annexin V Apoptosis Detection Kits with combining 15 fluorochromes and 3 nucleic acid dyes for multiple research requirements.

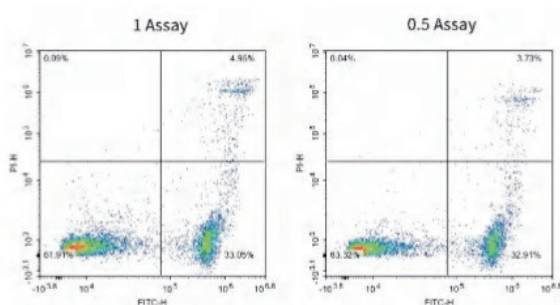


## Features of Elabscience® Annexin V Apoptosis Detection Kits

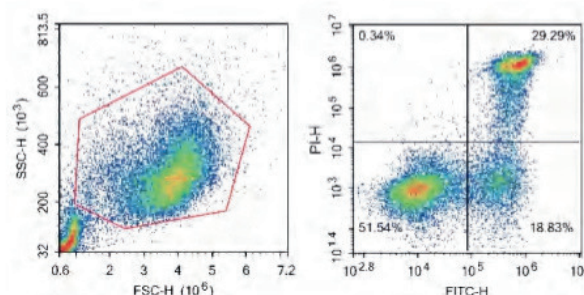
- Multiple Options: 15 fluorochromes × 3 nucleic acid dyes
- High Accuracy: Ideal for early apoptosis detection and no fixation-related false positive
- Quick & Simple Operation: Only 15~20 min hand-on time
- Strict QC: Developed in house, traceable and reliable quality
- Cost-effectiveness: 1 Assay can be used as 2 Assays based on  $10^6$  cells



## Results of Elabscience® Annexin V Apoptosis Detection Kits

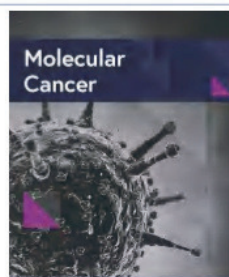


Jurkat cells were treated with 5  $\mu$ M camptothecin for 4 h and harvested  $1 \times 10^5$  cells, detected with Annexin V-FITC/PI kit (E-CK-A211) of different specifications.



Jurkat cells were treated with 5  $\mu$ M camptothecin for 4 h, harvested  $1 \times 10^6$  cells, detected with Annexin V-FITC/PI kit (E-CK-A211).

By the end of Dec. 2023, there has been **307** SCI publications using Elabscience® Annexin V Apoptosis Kit, and the total IF of the publications has reached **1724.5**, of which the highest IF is **41.4**(*Molecular Cancer*), and the popular product (Annexin V-FITC/PI Apoptosis Kit (E-CK-A211) has been cited 202 times, with a cumulative IF of **1117**.



Title: MARCKSL1–2 reverses docetaxel-resistance of lung adenocarcinoma cells by recruiting SUZ12 to suppress HDAC1 and elevate miR-200b

IF: **41.4**

Journal: *Molecular Cancer*

Elabscience® product: Annexin V-FITC/PI Apoptosis Kit (E-CK-A211)

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## Star Products—Tunel Apoptosis Detection Kits

Elabscience® Tunel Apoptosis Detection Kit, including the One-step TUNEL In Situ Apoptosis Kit, One-step TUNEL Flow Cytometry Apoptosis Kit, and TUNEL In Situ Apoptosis Kit (HRP-DAB Method), can be used for apoptosis detection on tissue (paraffin-embedded, frozen section) and cells samples (cell smears, cell crawling films, suspension cells, adherent cells) with a Microscope or Flow Cytometer.

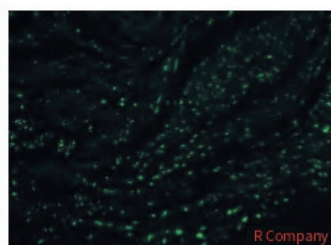
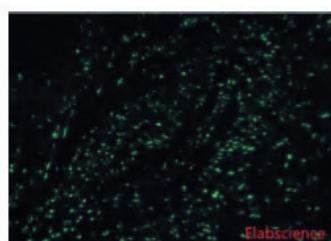
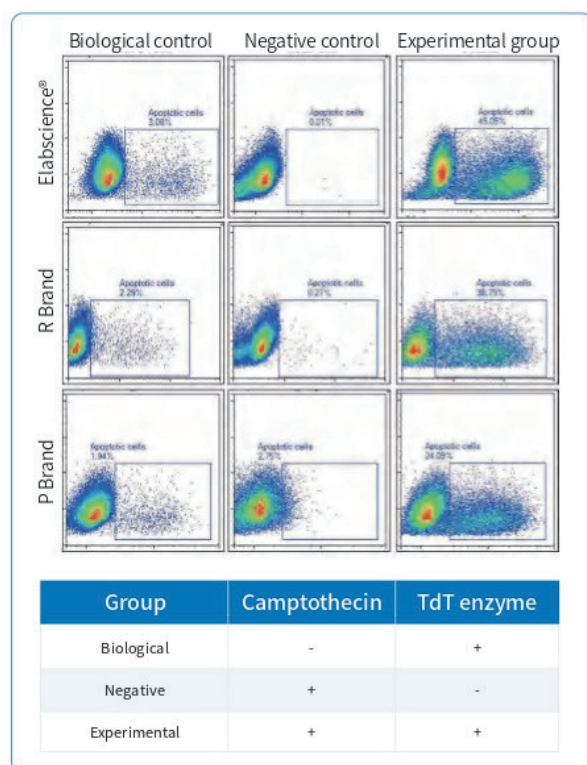


### Features of Elabscience® One-step TUNEL In Situ Apoptosis Kits

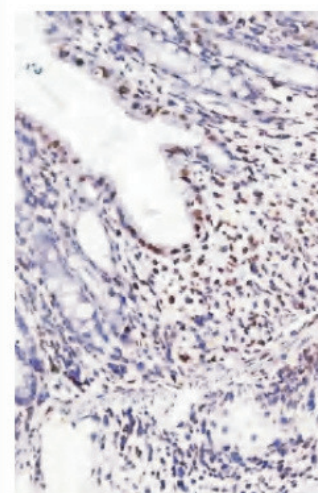
- Cost-effective: The key components (TdT & fluorescein-dUTP) are self-developed and have stable performance
- Safe and non-toxic: No dimethyl arsenate, non-toxic and harmless to humans and environment
- Multiple Options: A variety of fluorescent dyes (FITC/ Elab Fluor® 488/ Elab Fluor® 594/ Elab Fluor® 647/ Elab Fluor® 555) are available
- Easy to operate: One-step dyeing, saving time and effort
- Diverse options: Various detection methods (Fluorescence microscope/ Flow Cytometer/ Optical microscope)



### Results of Elabscience® TUNEL Apoptosis Detection Kits



Mouse myocardial, treated with DNase I under 37°C for 10 min, Luminous intensity: 10, exposure time: 100 ms.



Mouse colon, treated with DNase I under 37°C for 10 min, DAB coloration for 1 min.

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By the end of Dec. 2023, there has been **181** SCI publications using Elabscience® TUNEL Apoptosis Detection Kits, and the total IF of the publications has reached **1248.2**, of which the highest IF is **64.5** (*Cell*), and the popular product (One-step TUNEL In Situ Apoptosis Kit (Green, FITC) (*E-CK-A320*) has been cited 89 times, with a cumulative IF of **603.5**.



Title: Manuscript title: Prolonged sleep deprivation induces a cytokine-storm-like syndrome in mammals

IF: 64.5

Journal: *Cell*

Elabscience® product: One-step TUNEL In Situ Apoptosis Kit (Green, Elab Fluor® 488) (*E-CK-A321*)

## Other Cell Function Detection Assays

### 【Apoptosis】

#### Caspase



**Caspase1/2/3/4/6/7/8/9.**  
For detecting the activation of Caspase protein during apoptosis/pyroptosis.

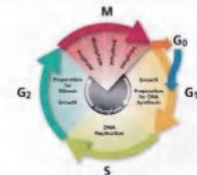
#### Mitochondrial Assay Kits



Mitochondria are double-membrane organelles involved in energy production, metabolism, signaling, autophagy, aging, and tumorigenesis.

### 【Cell Cycle】

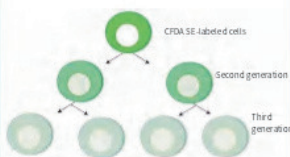
#### Cell Cycle



Using the property that intracellular DNA can bind to fluorochrome (such as propidium iodide-PI). The DNA content of cells in different stages is different, so the amount of bound fluorescent dye is different.

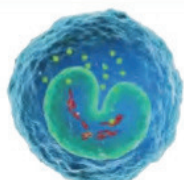
### 【Cell Proliferation / Cytotoxicity / Viability】

#### CFSE



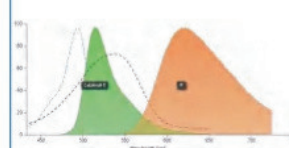
CFSE can stably bind to cells and evenly distribute fluorochrome substances to the next generation to directly detect cell division.

#### EdU



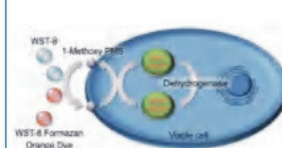
EdU can be integrated into the double-stranded DNA in the synthesis phase and directly reflects cell proliferation by detecting the proportion of cells in S phase.

#### Calcein AM/PI



Calcein AM labels live cells, and PI labels dead cells. It can detect cell activity and cytotoxicity simply, quickly, sensitively and accurately.

#### CCK-8



Based on the reduction of WST-8 to produce water-soluble orange-yellow Formazan, and widely used in cell viability and cytotoxicity testing.

Distributed by

**CliniSciences Group**

# V Cell Metabolism Assay Kits

## Leading Brand of Cell Metabolism Assay

Elabscience® consistently focuses on market demand and adheres to research hotspots to provide one-stop solutions for cell metabolism assay. According to the applications, it is categorized by cell component extraction reagents, metabolism assay kits, and inhibitory screening kits to meet different research needs.



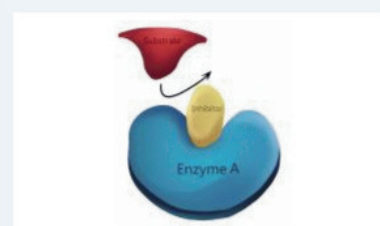
### Cell Component Extraction Reagent

Cellular, protein and multi -component extraction



### Metabolism Assay Kit

Detection of cellular metabolites, and metabolic functions



### Inhibitor Screening Kit

Screening of small molecule inhibitors of various enzymes

## Cell Metabolism Assay Kit Research Areas



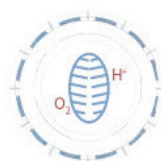
Oxidative Stress



Ferroptosis



Liver & Renal  
function



Energy Metabolism



Cuproptosis



TCA Cycle



Mitochondria  
Function



Glycolysis & Lipid  
Metabolism



Amino Acids &  
Proteins



Plant Physiology



Inorganic Ions



Metabolic  
Diseases

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CliniSciences Group



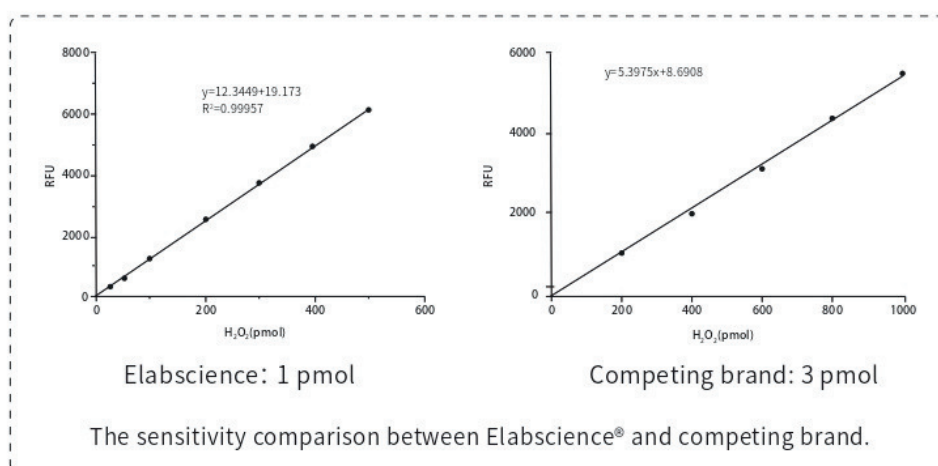
## Fluorescence Assay Kits

The fluorescence assay kits adopt the detection principle of “enzyme + fluorescent probe”, which improves the sensitivity and specificity of the kits, and solves the problem caused by large amount of cell samples and undetectable indicators.

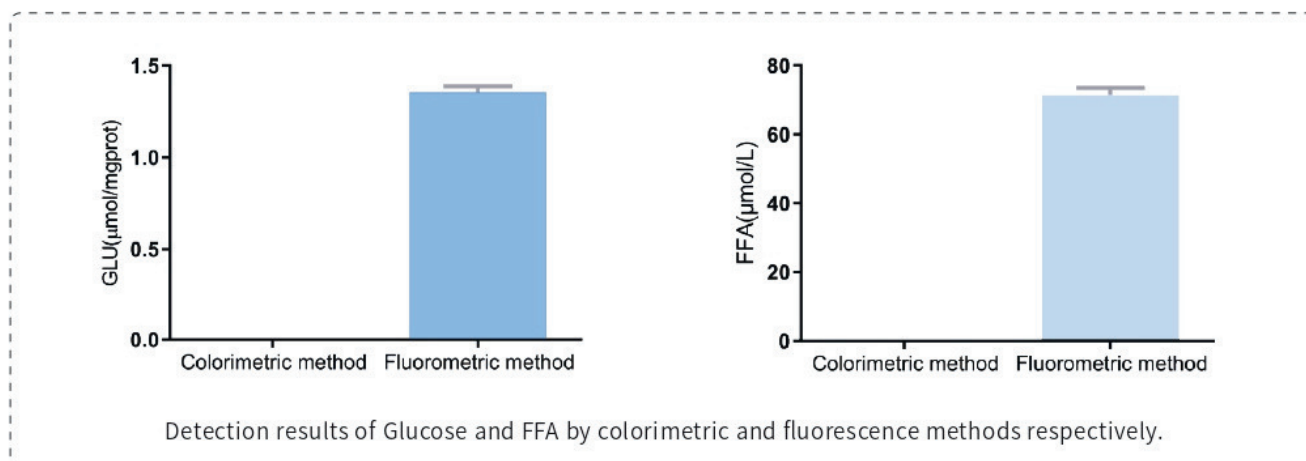
### Comparison between colorimetric and fluorescent methods

Detection principle		Fluorescence	Colorimetric
Similarities		Molecular spectroscopy	
Difference	Detection spectroscopy	Emission spectroscopy	Absorption spectroscopy
	Sensitivity	$10^{-8}$ - $10^{-10}$ g/mL	$10^{-5}$ - $10^{-7}$ g/mL
	Specificity	High	Low
	Platform	Fluorescence Microplate	Microplate Reader/ Spectrophotometer

- High performance: Mature manufacturing, performance comparable to famous brands

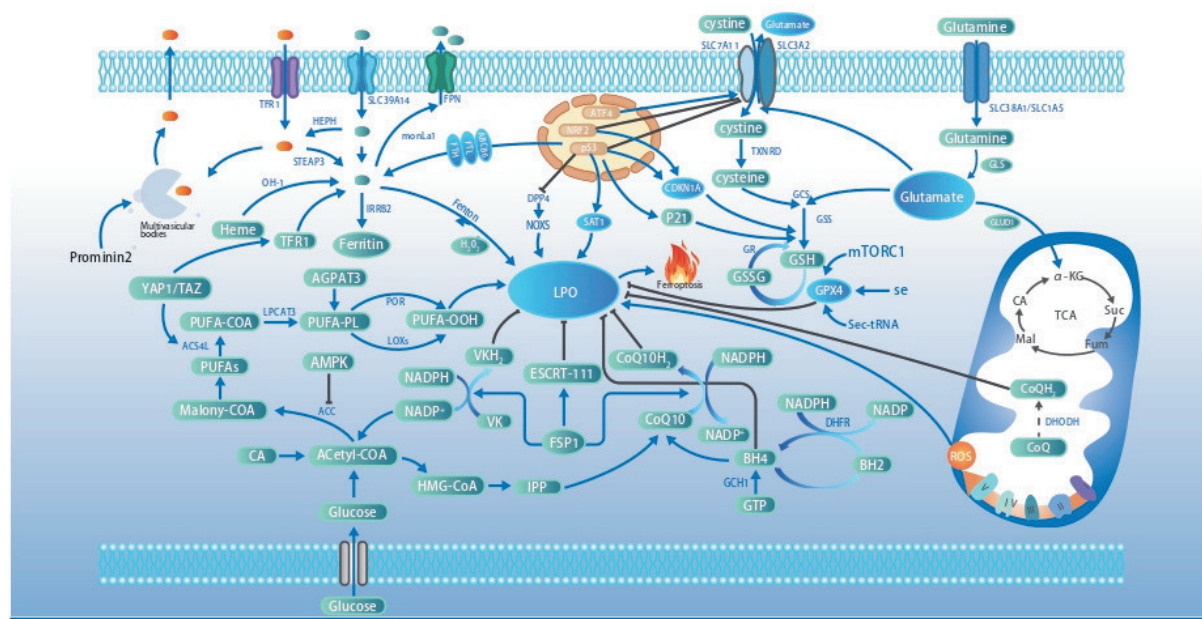


- High sensitivity: It can reach  $10^{-8}$ - $10^{-10}$  g/mL, and can detect indicators with lower concentrations in samples.



## Ferroptosis Assay Kits

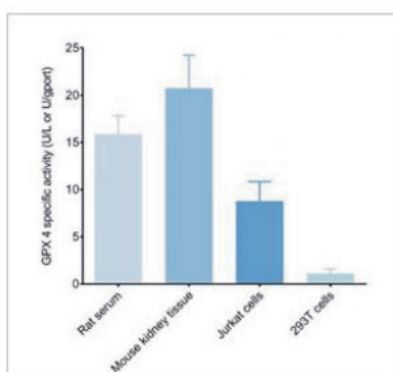
Ferroptosis is a regulated cell death caused by an imbalance in the generation and degradation of intracellular lipid reactive oxygen species. It is iron-dependent, characterized by increased free ferrous ions and accumulation of lipid peroxides. Ferroptosis is one of the most popular research topics in cell death. Elabscience® offers self-developed assay kits to facilitate research on ferroptosis.



Pathway of ferroptosis and related markers



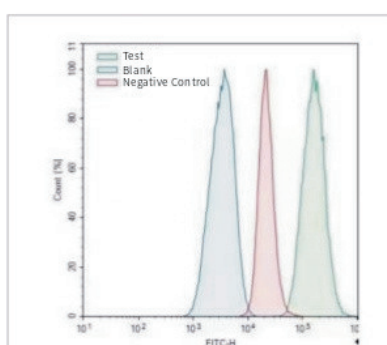
### Star Products



GPX4: Globally initiate to measure GPX4 enzyme activity

Glutathione Peroxidase 4 (GPX4) Activity Assay Kit

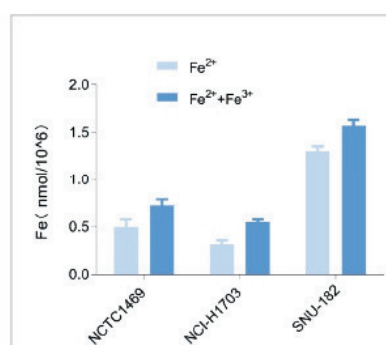
Cat. No.: E-BC-K883-M



LPO: High sensitivity, suitable for living cells

Lipid Peroxide (LPO) Fluorometric Assay Kit

Cat. No.: E-BC-F003



Fe: Lysate is provided and simple to operate

Cell Ferrous Iron Colorimetric Assay Kit

Cat. No.: E-BC-K881-M

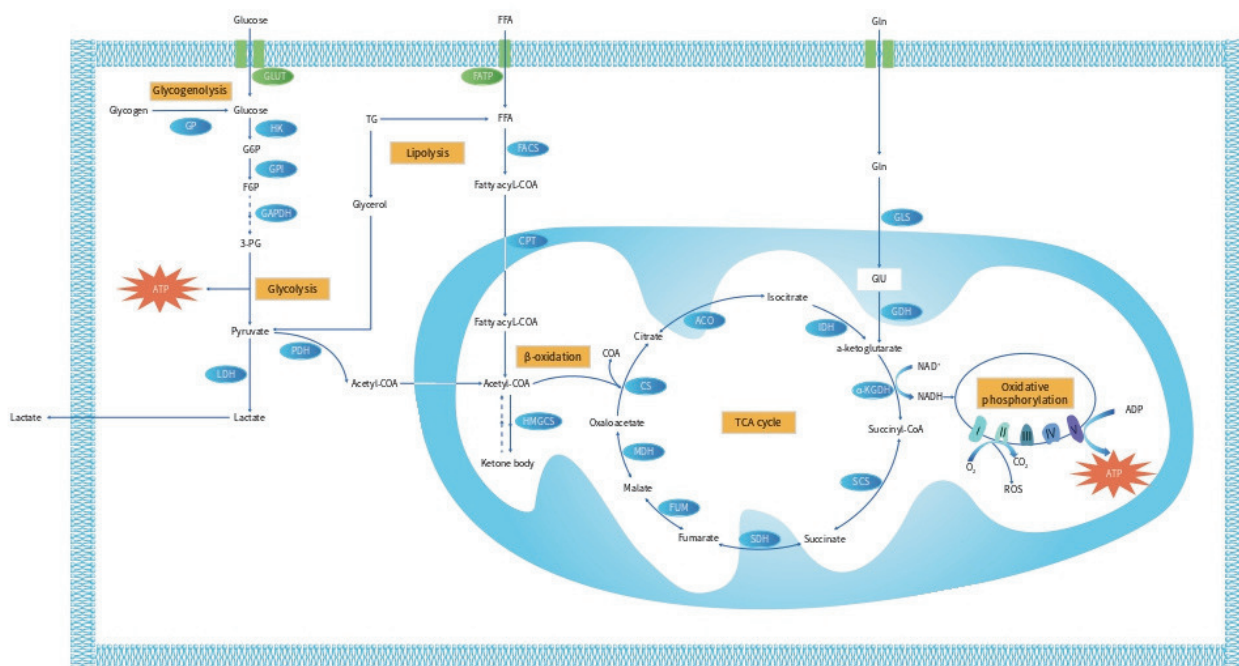
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## Energy Metabolism Assay Kits

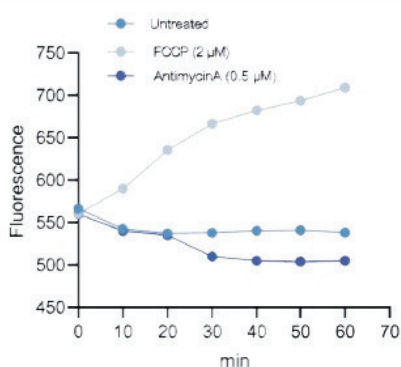
Energy metabolism involves various metabolic pathways, including glycolysis, lipid metabolism, the TCA cycle and oxidative phosphorylation. Elabscience® have independently developed a series of assay kits, such as extracellular acidification rate, cellular oxygen consumption and ATP, supporting research in energy metabolism.



Pathway of energy metabolism and related markers



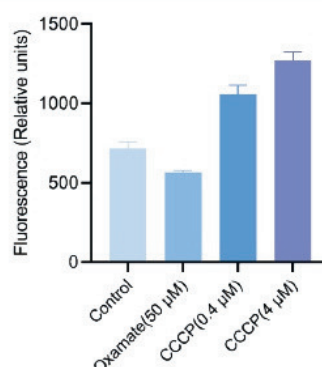
## Star Products



Fluorescence signal stability,  
suitable for kinetic detection

Oxygen Consumption Rate (OCR)  
Fluorometric Assay Kit

Cat.No: E-BC-F068



Detection with Fluorescence  
Microplate Reader for more convenient

Extracellular Acidification Rate (ECAR)  
Fluorometric Assay Kit

Cat.No: E-BC-F069

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## Cell Metabolic Assay Kits Cited in Publications

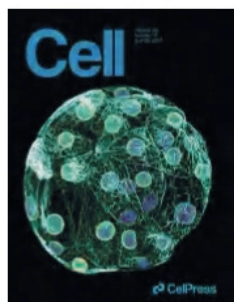
Elabscience® Cell Metabolism Assay Kits have been cited in **2600+** SCI publications, with **210** publications of IF>10, and the highest IF is **64.8** (*Nature*). It has been published frequently in top journals such as *Cell*, *Cell Research*, *Immunity* etc.

IF=64.8



Creatinine (Cr) Colorimetric Assay Kit (Sarcosine Oxidase Method)  
Cat No.: E-BC-K188-M

IF=64.5



L-Lactic Acid (LA) Colorimetric Assay Kit  
Cat No.: E-BC-K044-M

IF=44.1



Cysteine (Cys) Colorimetric Assay Kit  
Cat No.: E-BC-K352-M

IF=43.5



BCA Protein Colorimetric Assay Kit  
Cat No.: E-BC-K318-M

IF=37.3



Cell Total Iron Colorimetric Assay Kit  
Cat No.: E-BC-K880-M

## Featured Cell Metabolic Assay Kits

Research Areas	Cat. No.	Product Name	Detection Instrument
Ferroptosis	E-BC-F003	Lipid Peroxide (LPO) Fluorometric Assay Kit	Fluorescence Microplate Reader
	E-BC-F101	Cell Ferrous Iron (Fe <sup>2+</sup> ) Fluorometric Assay Kit	Flow Cytometry
	E-BC-K881-M	Cell Ferrous Iron Colorimetric Assay Kit	Microplate Reader
	E-BC-K883-M	Glutathione Peroxidase 4 Activity Assay Kit	Microplate Reader
	E-BC-F066	Cystine Uptake Fluorometric Assay Kit	Fluorescence Microplate Reader
Energy Metabolism	E-BC-F004	ATP/ADP Ratio Chemiluminescence Assay Kit	Multifunctional Microplate Reader
	E-BC-F068	Oxygen Consumption Rate (OCR) Fluorometric Assay Kit	Fluorescence Microplate Reader
	E-BC-F069	Extracellular Acidification Rate (ECAR) Fluorometric Assay Kit	Fluorescence Microplate Reader
	E-BC-F047	α-Ketoglutarate (α-KG) Fluorometric Assay Kit	Fluorescence Microplate Reader
	E-BC-K834-M	Cell Mitochondrial Complex I Activity Assay Kit	Microplate Reader
	E-BC-K838-M	Cell Mitochondrial Complex V Activity Assay Kit	Microplate Reader



# VI Immunoassay Kits and Reagents

## More Reliable ELISA Kits!

Elabscience® has been focused on cell detection products for 14 years and provides researchers with more than 2,000 high-quality ELISA Kits and EcoPlex™ Kits. Our ELISA product covers human, mouse, rat, rabbit, monkey, universal and other reactive species.

## Superior Quality

All Elabscience® ELISA products are manufactured according to ISO 9001:2015 and are guaranteed by a strict quality control system.

### Raw Material

Professional antibody & protein development and production platform for ELISA products to continue to supply high-quality and stable raw materials.

### Production

Automated production equipment, international standard production process.  
Accurately control the freeze-drying curve to reduce production errors.

### Quality Inspection

Strict three-step quality inspection to ensure the stability of the system, quality and quantity.

### Reagent

- Improved coating system to reduce coated protein damage.
- Unique HRP enzyme protection solution to avoid data fluctuation.

### Package

- Aluminum foil bags are carefully selected and subjected to low-temperature simulation anti-fall experiments.
- The product has a traceable security code, which can be directly traced to each production link.

### Quality Control Standard

#### Standard Linearity

$R^2 \geq 0.995$ .

#### Sensitivity

The low concentration target sensitivity reaches fg/pg level.

#### Precision

Intra-batch & inter-batch CV  $\leq 10\%$ .

#### Recovery Rate

Addition & dilution recovery rates range from 80% to 120%.

#### Specificity

- Cross-reaction rate of structural analogues  $< 10\%$ .
- Cross-reaction rate of samples between different species  $< 10\%$ .

#### Stability

Through thermal acceleration stability, long-term stability and transportation stability tests, the kit has good stability within the validity period.

#### Sample Test

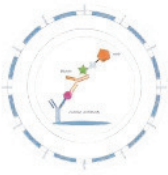
- Human source kits: serum, plasma, cell supernatant & lysate, saliva, urine, and milk, etc.
- Mouse and Rat kits: serum, plasma, cell supernatants & lysates, tissue homogenates (heart, liver, spleen, lung, kidney, brain), etc.
- The sample testing is basically consistent with authoritative literature reports.

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**CliniSciences Group**

## Customer Oriented

### New Product Development is Guided by Customer Needs



- Rich targets
- Complete species
- Mature system


2009

- Double-antibody sandwich method and competition method are used to develop more ELISA indicators.

Traditional ELISA


2020

- QuickKey ELISA® kit optimizes the 3 steps sandwich method to 2 steps.
- In the early stages of the COVID-19 epidemic, a number of SARS-CoV-2 antigen and antibody detection kits were developed to meet the needs of disease-related scientific research in a timely manner.



QuickKey  
ELISA®

- 2 steps
- Easy to store




SARS-CoV-2  
ELISA

- Contains Ag, Ab, NAb, TAB


2021

- QuickKey Pro™ (One-Step) ELISA kit helps customers complete ELISA experiments in 90 minutes.
- Micro-method Mini Sample ELISA kit can save 75% of sample consumption.



QuickKey Pro™  
ELISA

- 90 min operation time
- Easy to store




Mini Sample  
ELISA

- 25 µL loading volume


2023

- Cytokine High Sensitivity ELISA kit can detect target at fg-level.
- Uncoated ELISA kit and ELISA Antibody Pair have become a cost-effective alternative in cell secreted protein detection by flexibly adjusting the antibody ratio and matching various auxiliary reagents.




**High-Sensitivity ELISA**

- Sensitivity increased by 2-100 times
- Sample detection rate 30%-100%



**Uncoated ELISA**

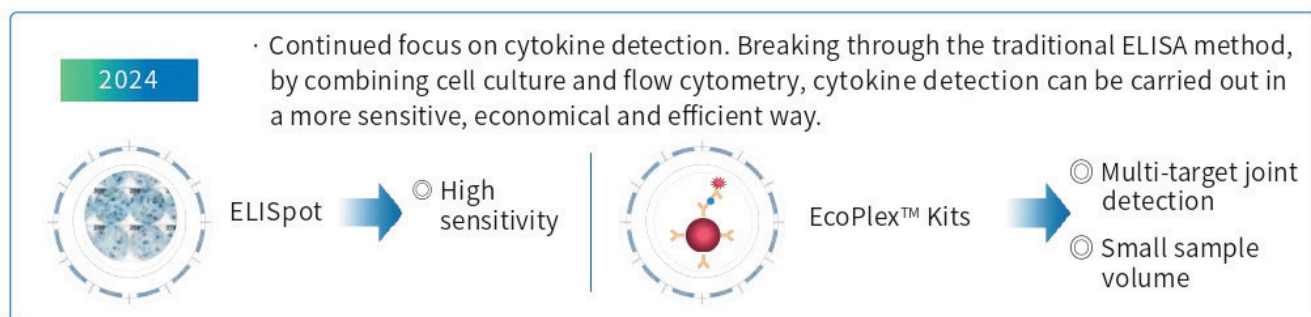
- Core raw materials
- Matching ancillary reagent kit



**ELISA Antibody Pair**

- Antibodies to raw materials





## Target Selection is Guided by Customer Needs

Our ELISA kits are widely used in more than 10 hot research areas, such as Cancer & Tumor, Immunology, Cardiovascular, Stem Cell, Neuroscience, Metabolism, Microbiology, Cell Biology, Signaling Transduction, Epigenetics and Nuclear Signaling and so on.

## System Optimization is Guided by Customer Needs

### Stability

We continue to optimize the reagent component system to improve the stability of the kit under different preservation conditions:

- For the kits stored at 2-8°C/-20°C (12 months), the overall storage time at 2-8°C was increased from 1 week to 3 months.
- The new series ELISA kit is prioritized to be developed with overall 2-8°C (6 months) storage system.

### Safety

Apart from BSA as a protective protein, the kit does not contain any other ingredients of animal origin, which meets the requirements of the Cartagena Biosafety Protocol.

In addition, the preservative of the kit is proclin 300, which is less toxic, making it safe and environmentally friendly.

## Authoritative Recognition

- CiteAb recognized Elabscience® as the "ELISA KIT SUPPLIER TO WATCH IN 2019".
- Elabscience® ELISA products have been cited in over **10,000** SCI papers, featured in top-tier journals like *Nature Medicine*, *Nature*, *Cell*, *Immunity*, *Signal Transduction and Targeted Therapy*, etc.



## Efficient Service

- Ready-to-use products with guaranteed stock, shipped within 2 to 3 business days.
- Professional technical support responds within 8 h and provides solutions within 24 h.
- The market service is thoughtful and fast, and more technical resources are shared to escort the entire experiment.

## Elabscience® Hot Selling ELISA Kits

Cat. No.	Product Name	Detection Range	Sensitivity
E-EL-0033	ST/5-HT(Serotonin/5-Hydroxytryptamine) ELISA Kit	15.63-1000 ng/mL	9.38 ng/mL
E-EL-0162	TGF-β1(Transforming Growth Factor Beta 1) ELISA Kit	0.16-10 ng/mL	0.10 ng/mL
E-EL-H6156	Human IL-6(Interleukin 6) ELISA Kit	1.56-100 pg/mL	0.94 pg/mL
E-EL-H0109	Human TNF-α(Tumor Necrosis Factor Alpha) ELISA Kit	7.81-500 pg/mL	4.69 pg/mL
E-EL-M0037	Mouse IL-1β(Interleukin 1 Beta) ELISA Kit	7.81-500 pg/mL	4.69 pg/mL
E-EL-M0044	Mouse IL-6(Interleukin 6) ELISA Kit	31.25-2000 pg/mL	18.75 pg/mL
E-EL-M3063	Mouse TNF-α(Tumor Necrosis Factor Alpha) ELISA Kit	7.81-500 pg/mL	4.69 pg/mL
E-EL-R0012	Rat IL-1β(Interleukin 1 Beta) ELISA Kit	31.25-2000 pg/mL	18.75 pg/mL
E-EL-R0015	Rat IL-6(Interleukin 6) ELISA Kit	12.50-800 pg/mL	7.50 pg/mL
E-EL-R2856	Rat TNF-α(Tumor Necrosis Factor Alpha) ELISA Kit	15.63-1000 pg/mL	9.38 pg/mL



## VII Antibodies & Proteins

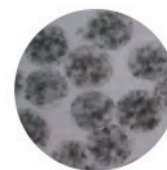
### Strictly Validated High-quality Proteins & Antibodies

Elabscience® provides high-quality recombinant proteins, strictly validated monoclonal and polyclonal antibodies, and antibody-related products, covering immunoprecipitation and protein purification (agarose/magnetic beads), antibodies (primary antibodies for scientific research, antibody pairs, unlabeled flow antibodies, tag/loading control antibodies, secondary antibodies, and other special types of antibodies, etc.), and proteins. All products have a wide range of applications and are recognized by leading domestic laboratories and research institutions.

Based on the company's powerful protein and antibody R&D platforms, Elabscience® will continue to launch a series of innovative, high-quality scientific research and clinical diagnostic antibody products for the majority of scientific research customers and institutions.

- High-quality Antibody Development Platform
- Active Protein Preparation Platform
- Development of Multiple Reagent Raw Materials

### Immunoprecipitation & Protein Purification



Agarose



Magnetic Beads



Tag Protein Purification  
Kits



Immunoprecipitation  
Kits



Tag Antibodies Agarose/  
Magnetic Beads



Other Agarose/Magnetic  
Beads Products



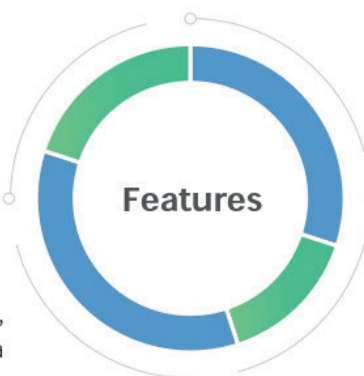
#### High Specificity

Highly specific binding to target proteins, with few false-positives and false-negatives.



#### A Wide Range of Applications

Applications covering IP, Co-IP, pull-down, and protein purification are suitable for a variety of experimental solutions.



#### Efficient and Convenient

Efficient binding capacity, low nonspecific adsorption, simple and convenient operation, and an IP process as short as 40 minutes.

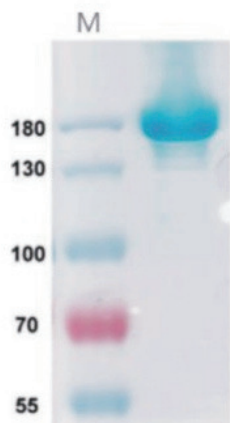


#### Flexibility and Cost-effectiveness

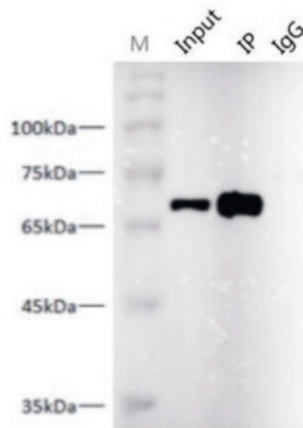
Products are on demand reinforcement, flexible selection, and more cost-effective.

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**CliniSciences Group**



◎ Protein Purification Validation



◎ IP Validation

## Antibodies

Antibody Pairs

Unlabeled Flow Antibodies

Tag Antibodies

Loading Control Antibodies

Secondary Antibodies

Other Antibodies

## Features

### 01 Diversified product types

- Full-length antibodies: mAb/pAb/rAb etc.
- Antibody fragments: scFv/Fab/VHH etc.
- Antibody pairs/ Unlabeled Flow Cytometry antibodies/ Tag antibodies/ Loading control antibodies/ Secondary antibodies/ Modified antibodies, etc.

### 02 Wide range of applications

- Multiple species reactivity.
- Diversified applications of WB/IHC/IF/ELISA/IP/FCM etc.
- Raw materials development of POCT/ Pathologic Diagnosis/ FCM/ Cytometric Bead Array.

### 03 Rigorous quality control

- Standardized acceptance process.
- Multiple validation methods (ELISA/WB/IHC/IF, etc.).
- Validation by natural protein samples.

### 04 Excellent quality

- Selected and designed high-quality immunogens.
- Industry-leading validation methods.

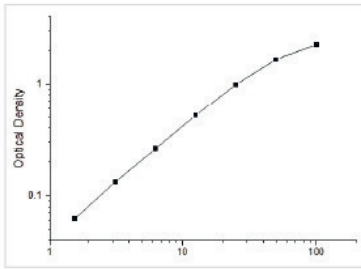
### 05 Comprehensive sales services

- Long-term supply of self-developed and produced core raw materials.
- Complete, genuine, and valid product information.
- Professional technical support and guidance.

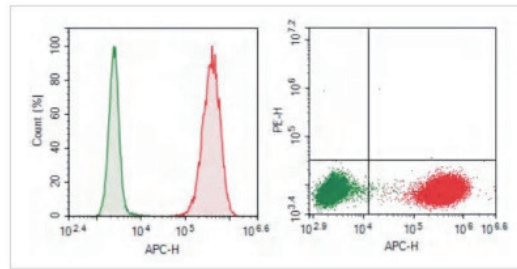
Distributed by

**CliniSciences Group**

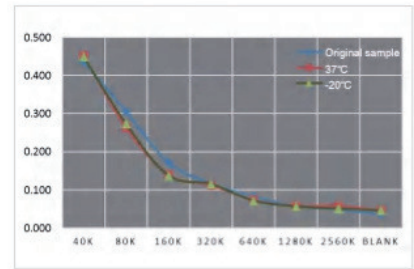




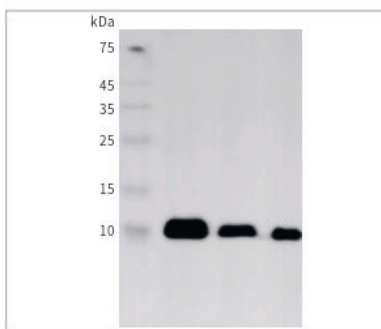
☉ Antibody Pairs (standard curve) Validation



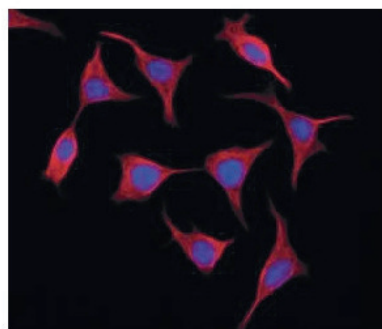
☉ Antibody Sensitivity (FCM) Validation



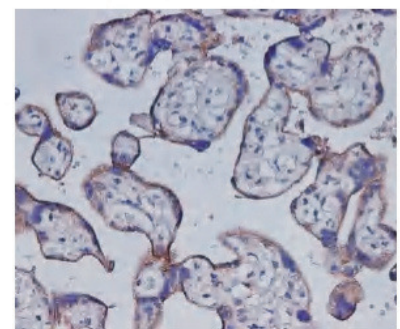
☉ Antibody Stability Validation



☉ WB Validation



☉ IF Validation



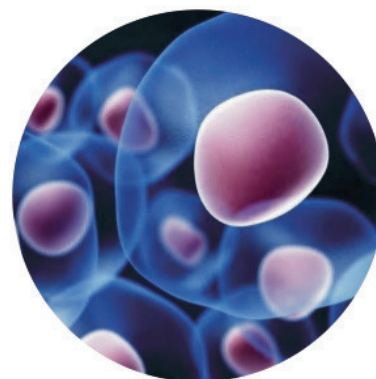
☉ IHC Validation

Elabscience® antibodies are strictly tested using a variety of detection methods to ensure their quality and to guarantee the accuracy of the results.

## Proteins



Prokaryotic Recombinant Protein



Eukaryotic Recombinant Protein

Elabscience® executes strict quality standards and provides high purity, high consistency, and high activity recombinant proteins to support your scientific research on protein structure and function, cell culture and function testing, antibodies and immunoassay reagent development, biological drug target discovery, etc.

## Recombinant Protein Advantages

01

### Comprehensive expression system

- Prokaryotic: *E. coli*
- Eukaryotic: HEK293/CHO, yeast, insect cell - baculovirus.

02

### High quality proteins

- High purity and endotoxin < 1 EU/μg.
- No component of animal origin.

03

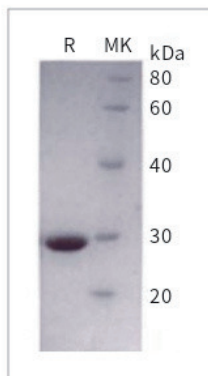
### Rigorous quality control

- Professional quality control team.
- Multiple testing indicators and continuous quality tracking and monitoring.
- Stable mass production.

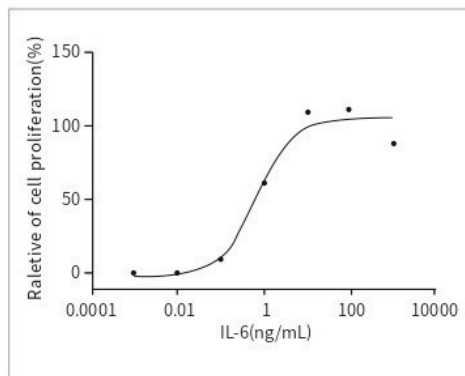
04

### Excellent pre-sales and post-sales service

Professional technical support team contributes to solve problems.



◎ Protein Purity Validation



◎ Protein Activity Assay

## Protein & Antibody Related Reagents



Elabscience® provides a complete range of WB, IF, and IHC kits and experimental detection technology solutions, contributing to saving time and maintaining reliability and efficiency in scientific research.

Distributed by

**CliniSciences Group**



## Antibody & Protein Products Introduction

### Immunoprecipitation & Protein Purification (Agarose/Magnetic Beads)

High specificity • Less interference • Strong affinity • Full process services of IP/Co-IP



## Antibodies

### ELISA Antibody Pairs

- Various kinds of markers for human, mouse, and rat.
- Flexible pair set of capture and detection antibodies.

ELISA (Cap)	ELISA (Det), ELISA (Cap)	ELISA (Det)
<div>Human PCSK9</div> <div>Human IL-22</div> <div>Human NMP22</div> <div>Human IGFBP-5</div> <div>Human HB</div>	<div>Human FE</div> <div>Human NGAL</div> <div>Mouse ENG</div> <div>Rat IL-12</div> <div>Rat VCAM-1/CD106</div>	<div>Human PCSK9</div> <div>Human IL-22</div> <div>Human NMP22</div> <div>Human IGFBP-5</div> <div>Human HB</div>

### Unlabeled Flow Antibodies

- Focus on CD antigen series to assist cell immunology research and create high-quality raw materials for Flow Cytometry.

CD146	CD95	CD54
CD1a	CD45	CD105
CD22	CD147	CD16/32

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## Tag and Loading Control Antibodies/Other Scientific Antibodies

- Multiple advanced applications (WB/IF/IHC/IP/FCM)
- High specificity
- Excellent sensitivity
- Strict reliability testing

Tag Antibodies	Loading Control Antibodies	Other Scientific Antibodies
<ul style="list-style-type: none"> <li>His-Tag Polyclonal Antibody</li> <li>GST-Tag Monoclonal Antibody</li> <li>GFP Monoclonal Antibody</li> <li>HA-Tag Monoclonal Antibody</li> </ul>	<ul style="list-style-type: none"> <li>PCNA Polyclonal Antibody</li> <li>GAPDH Polyclonal Antibody</li> <li>beta actin Polyclonal Antibody</li> <li>beta Tubulin Polyclonal Antibody</li> </ul>	<ul style="list-style-type: none"> <li>CDH1 Polyclonal Antibody</li> <li>TNNI3/cTn-I Polyclonal Antibody</li> </ul>

## Proteins

One-stop service from gene synthesis, vector construction to protein expression and purification

### Prokaryotic recombinant protein(*E.coli*)

- Recombinant Human BIM/BCL2L11 Protein (His Tag) (PDEH100013)
- Recombinant Human PTEN Protein (His Tag) (PDEH100023)
- Recombinant Human PUMA/BBC3 protein (His Tag) (PDEH100035)

### Eukaryotic recombinant protein (HEK293)

- Recombinant Human Interferon  $\gamma$ /IFNG Protein (PDMH100010)
- Recombinant Human Myeloperoxidase/MPO Protein (His Tag)(PDMH100014)
- Recombinant Human Coagulation Factor XIII B chain/ F13B protein (His tag)(PDMH100072)

## Immuno-Related Reagents

- Easy to Use
- Excellent Sensitivity
- High Specificity
- Good Reliability

A complete range of related kits and experimental detection technology solutions contribute to saving time and scientific research.



- 2-step plus Poly-HRP Anti Rabbit/Mouse IgG Detection System(E-IR-R211)
- Western Blot Detection Kit(E-IR-R304A)
- High Accuracy and Absorbability Western Blot Detection Kit(E-IR-R304B)
- Immunofluorescence Staining Kit (Anti-Rabbit IgG-Cyanine3) (E-IR-R321)
- Immunofluorescence Staining Kit (Anti-Mouse IgG-Cyanine3) (E-IR-R322)

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## VIII Part of High IF Publications

Cited by 18,800+ SCI papers, Elabscience® products continue to support scientific research

### Elabscience® Flow Cytometry Antibodies Cited in Publications

Target	Cat. No.	Publication Information	IF
PE Anti-Mouse CD54 Antibody[YN1/1.7.4]	E-AB-F1018D	Born E, Lipskaia L, Breau M, et al. Eliminating senescent cells can promote pulmonary hypertension development and progression[J]. <i>Circulation</i> , 2023, 147(8): 650-666.	37.8
APC Anti-Mouse CD62L Antibody[Mel14]	E-AB-F1011E	Che Y J, Ren X H, Wang Z W, et al. Lymph-Node-Targeted Drug Delivery for Effective Immunomodulation to Prolong the Long-Term Survival After Heart Transplantation[J]. <i>Advanced Materials</i> , 2022.	32.1
PE Anti-Mouse CD106 Antibody[M/K-2.7]	E-AB-F1091D	Shi N N, Yang Q, Zhang H R, et al. Restoration of dystrophin expression in mice by suppressing a nonsense mutation through the incorporation of unnatural amino acids[J]. <i>Nature Biomedical Engineering</i> , 2022, 6: 195–206.	25.7
APC Anti-Mouse Ly6A/E(Sca-1) Antibody[D7]	E-AB-F1191E		
PE/Cyanine7 Anti-Mouse CD31 Antibody[390]	E-AB-F1180H		
PE Anti-Human CD56/NCAM Antibody[5.1H11]	E-AB-F1239D		
FITC Anti-Human CD29 Antibody[TS2/16.2.1]	E-AB-F1049C		
PerCP/Cyanine5.5 Anti-Rat CD45 Antibody[OX-1]	E-AB-F1227UJ	Tianyuan Z, Haoyuan D, Jianwei L, et al. A Smart MMP13 - Responsive Injectable Hydrogel with Inflammatory Diagnostic Logic and Multiphase Therapeutic Ability to Orchestrate Cartilage Regeneration[J]. <i>Advanced Functional Materials</i> , 2023, 33(16): 2213019.	19.9
APC Anti-Mouse F4/80 Antibody[Cl:A3-1]	E-AB-F0995E	Zhu P P, Zhou C, Chen J F, et al. Propionibacterium acnes Cloaked with ZnAl Layered Double Hydroxides Synergistically Inhibits Tumor Growth and Metastasis[J]. <i>Advanced Functional Materials</i> , 2023, 33(25): 2214105.	19.9
PE/Cyanine7 Anti-Mouse CD80 Antibody[16-10A1]	E-AB-F0992H		
FITC Anti-Mouse CD206/MMR Antibody[C068C2]	E-AB-F1135C		
Elab Fluor® Violet 450 Anti-Mouse CD3 Antibody[17A2]	E-AB-F1013Q		
PerCP/Cyanine5.5 Anti-Mouse CD8a Antibody[53-6.7]	E-AB-F1104J		
FITC Anti-Mouse/Human CD11b Antibody[M1/70]	E-AB-F1081C	Zhao F, He J, Tang J, et al. Brain milieu induces early microglial maturation through the BAX-Notch axis[J]. <i>Nature Communications</i> , 2022, 13(1): 6117.	17.7

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## Elabscience® Cell Function Assay Kits Cited in Publications

Target	Cat. No.	Publication Information	IF
One-step TUNEL In Situ Apoptosis Kit (Green, Elab Fluor® 488)	E-CK-A321	Sang D, Lin K, Yang Y, et al. Prolonged sleep deprivation induces a cytokine-storm-like syndrome in mammals[J]. <i>Cell</i> , 2023, 186(25): 5500-5516.	64.5
Annexin V-FITC/PI Apoptosis Kit	E-CK-A211	Jiang M, Qi F, Zhang K, et al. MARCKSL1-2 reverses docetaxel-resistance of lung adenocarcinoma cells by recruiting SUZ12 to suppress HDAC1 and elevate miR-200b[J]. <i>Molecular Cancer</i> , 2022, 21(150).	41.4
Enhanced Cell Counting Kit 8 (WST-8/CCK8)	E-CK-A362	Song R, Guo P, Ren X, et al. A novel polypeptide CAPG-171aa encoded by circCAPG plays a critical role in triple-negative breast cancer[J]. <i>Molecular Cancer</i> , 2023, 22(1): 104.	37.3
One-step TUNEL In Situ Apoptosis Kit (Green, FITC)	E-CK-A320	Hirakawa H, Gao L, Tavakol D N, et al. Cellular plasticity of the bone marrow niche promotes hematopoietic stem cell regeneration[J]. <i>Nature Genetics</i> , 2023, 55(11): 1941-1952.	30.8
Annexin V-Elab Fluor® 647 /DAPI Apoptosis Kit	E-CK-A254	Song J L, Xu R Y, Zhang H, et al. Cell-in-Cell-Mediated Entosis Reveals a Progressive Mechanism in Pancreatic Cancer[J]. <i>Gastroenterology</i> , 2023.	29.4
One-step TUNEL In Situ Apoptosis Kit (Red, Elab Fluor® 555)	E-CK-A325	Sanchez A S, Perez S M, Liu M Y, et al. Activation of regulatory dendritic cells by MERTK coincides with a temporal wave of apoptosis in neonatal lungs[J]. <i>Science Immunology</i> , 2023, 8(84).	24.8

## Elabscience® Metabolic Assay Kits Cited in Publications

Target	Cat. No.	Publication Information	IF
Creatinine (Cr)	E-BC-K188-M	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.	64.8
Urea (BUN)	E-BC-K183-M		
L-Lactic Acid (LA)	E-BC-K044-M	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.	64.5
Non-esterified Free Fatty Acids (NEFA/FFA)	E-BC-K013-S		
Cysteine (Cys)	E-BC-K352-M	Song T T, Qin W S, Lai Z L, et al. Dietary cysteine drives body fat loss via FMRamide signaling in Drosophila and mice[J]. <i>Cell Research</i> , 2023, 33: 434-447.	44.1
Non-esterified Free Fatty Acids (NEFA/FFA)	E-BC-K013-M	Wang X, He Q, Zhou C, et al. Prolonged hypernutrition impairs TREM2-dependent efferocytosis to license chronic liver inflammation and NASH development[J]. <i>Immunity</i> , 2023, 56(1): 58-77.	43.5
Cell Ferrous Iron	E-BC-K880-M	Jiang M, Jike Y, Liu K, et al. Exosome-mediated miR-144-3p promotes ferroptosis to inhibit osteosarcoma proliferation, migration, and invasion through regulating ZEB1[J]. <i>Molecular Cancer</i> , 2023.	37.3
BCA Protein	E-BC-K318-M	Chen X, Wu R, Li L, et al. Pregnancy-induced changes to the gut microbiota drive macrophage pyroptosis and exacerbate septic inflammation[J]. <i>Immunity</i> , 2023, 56(2): 336-352.	32.4



## Elabscience® ELISA Kits Cited in Publications

Target	Cat. No.	Publication Information	IF
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.	66.9
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		
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.	64.8
Mouse ADH	E-EL-M0106		
Mouse ALB	E-EL-M3032		
Mouse BMG/β2-MG	E-EL-M2411		
Human F8(Coagulation Factor VIII)	E-EL-H6116	Kaffe E, Roulis M, Zhao J , et al. Humanized mouse liver reveals endothelial control of essential hepatic metabolic functions[J]. <i>Cell</i> , 2023,186(18): 2793-3809.	64.5
Rat ApoE	E-EL-R1230	Guttenplan, K.A., Weigel, M.K., Prakash, P., et al. Neurotoxic Reactive Astrocytes Induce Cell Death via Saturated Lipids[J]. <i>Nature</i> , 2021, 599(7883): 102-107.	50.0
Mouse ADH	E-EL-M0106	Bi Q Q , Wang C, Cheng G, et al. Microglia-derived PDGFB promotes neuronal potassium currents to suppress basal sympathetic tonicity and limit hypertension[J]. <i>Immunity</i> , 2022, 55(8): 1466-1482.	43.5
8-OHdG	E-EL-0028	Yang L, Liu Q, Zhang X, et al. DNA of Neutrophil Extracellular Traps Promotes Cancer Metastasis via CCDC25[J]. <i>Nature</i> , 2020: 1-6.	42.8

## Elabscience® Proteins and Antibodies Cited in Publications

Target	Cat. No.	Publication Information	IF
CYP26B1 Polyclonal Antibody	E-AB-90357	Correa-Gallegos, D., Ye, H., Dasgupta, B. et al. CD201+ fascia progenitors choreograph injury repair[J]. <i>Nature</i> , 2023, 623(7988): 792-802.	64.8
Goat Anti-Mouse IgG(H+L) (peroxidase/HRP conjugated)	E-AB-1001	Yuan Y, Cheng S, Bian G, et al. Efficient exploration of terpenoid biosynthetic gene clusters in filamentous fungi[J]. <i>Nature Catalysis</i> , 2022, 5(4): 277-287.	41.8
Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	E-AB-1003		
2-step plus Poly-HRP Anti Rabbit/Mouse IgG Detection System (with DAB Solution)	E-IR-R213	Luo J H, Yang Q, Zhang X F, et al. TFPI is a Colonic Crypt Receptor for TcdB from Hypervirulent Clade 2 C. Difficile[J]. <i>Cell</i> , 2022, 185: 980.	41.6
Recombinant Mouse HMGB1/ HMGI Protein (Fc Tag)(Active)	PKSM040443	Roquilly A, Jacqueline C, Davieau M, et al. Alveolar Macrophages are Epigenetically Altered after Inflammation, Leading to Long-Term Lung Immunoparalysis[J]. <i>Nature Immunology</i> , 2020: 1-13.	20.5

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