



ELK Biotechnology was founded in 2013, is a high-tech biological enterprise specializing in life science and immune research. We have a laboratory of 3,000m², having morphological pathology, cell biology, molecular biology, protein immunology platforms.

Through unremitting efforts, our products has been spread to over 70 countries. With portfolio of 8,500+ ELISA kits, 70+ kinds of Molecular biology products and 10,000+ Antibodies for RUO. Our goal is to provide scientists with the most cutting-edge and cost-effective research tools. Our mission is to provide the best solutions and the most reliable partners for researchers all over the world.

The company's main products

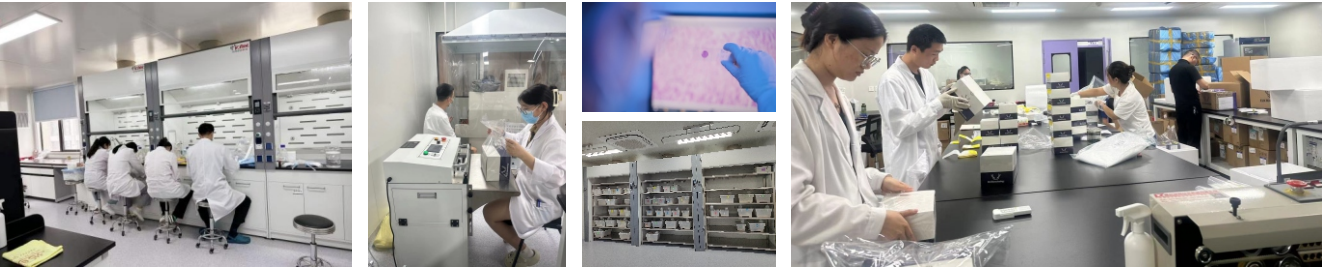
- ELISA kit 8500+
- Antibody 10000+
- Molecular biology 70+
- Protein/Biochemical assay/Plasmid

3000 laboratory

25+ Core R&D team

70+ countries distributor

2500+ publications



Why choose ELK

- Full range of products

High stability&specificity
- Fast delivery  
Perfect supply chain

Reliable technical service  
Better after-sale service
- Strict quality control

Cost-effective



ELK Biotechnology CO.,L td.  
ELISA | Antibody | Molecular products



ELISA KIT

ELKbiotech Make research easier

Tranditional ELISA kits

Micro sample ELISA kit

One Step ELISA kit

- **High sensitivity** pg level
- **High specificity** the cross-reaction rate is less than 5%
- **Excellent recovery rate** 85%-115%

One step ELISA advantage:

- Operating time:1.5h
- Numbers of test sample:Up to 90
- Standard dilution: Not required
- Sampling volume:50ul

Core technology

The unique coating system reduces the damage of the coated protein; the special biotinylated antibody and HRP enzyme conjugate protection solution make the coefficient of variation between batches less than 9.9%

Production process

The streamlined pipetting and production process, and the unique sealing, protection, and drying system can maintain the stability of the product to the greatest extent and reduce errors and batch differences. Strict sterilization conditions can eliminate microbial interference and maintain the stability of the production environment

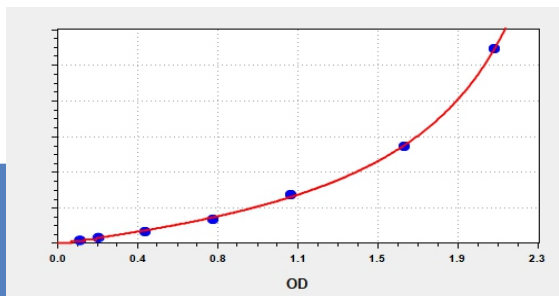
Strict QC

The core raw materials are mainly self-developed and produced, from raw materials,semi-finished products to finished products, after triple-inspection including standard product purity,antibody specificity,variation index,recovery ate,stability testing,etc. Strictly control the batch differences of kits.

Wide Application

Cytokine&Growth Factors	Enzymes&Kinase	Digestive system
Immunomodulator	Globulins	Innate immunity
Signal transduction	Transplantation	Reproductive tract diseases
Hematology	Respiratory system	Urinary system
Metabolism	Autoimmunity	Hormone
Apoptosis	CD&Adhesion Molecule	Hypersensitivity
Neurosciences	Cancer	Endocrinology

Curved plot of TNFa ELISA



MOLECULAR BIOLOGY

ELKbiotech Make research easier

Nucleic acid extraction

Plasmid

Miniprep, prepare, Max, EndoFree, Endo-Low, Endo-Low Max

DNA

Gel, Blood/Cell/Tissue Genomic, Whole blood, plant, bacterial, Stool, Soil, Throat swab, FFPE, Plant, Fungal

RNA

Viral, plant, TRIpure ( same as Trizol)

PCR, qPCR, RT-PCR

PCR

PCR Master Mix (blue/red/green) Taq DNAPolymerase

qPCR

SYBR Green PCR SuperMix HotStart PCR MasterMix EnTurbo™ SYBR Color qPCR

SuperMix

One Step SYBR Green RT-PCR Mix One Step Probe RT-PCR Mix

RT-PCR

cDNA Synthesis Kit

Related Reagents.

DNA ladder

Dye

GoldView

RNase Inhibitor

RNA Stabilation Solution

Star Products

**EQ001**

**EnTurbo™ SYBR Green PCR SuperMix**

Amplification efficiency test  
Using GAPDH amplification product 1:10<sup>9</sup> dilution as a template to amplify the GAPDH gene shows that our company has better product specificity and higher amplification efficiency for the quantitative amplification of low-abundance genes.

Results analysis  
From Figure 1 and Figure 2, we can see that the repeatability of our products is better. From Fig. 3 and Fig. 4, it is shown that relative to other brands, quantitative amplification of low-abundance genes has better product specificity and higher amplification efficiency.

**EQ004 EQ005**

**EntiLink™ PCR Master Mix Taq DNA Polymerase**

1. Mouse genomic DNA template 200ng  
2. Mouse genomic DNA template 100ng  
3. Mouse genomic DNA template 50ng  
4. Mouse genomic DNA template 20ng  
5. Mouse genomic DNA template 10ng  
6. Mouse genomic DNA template 1ng  
7. Mouse genomic DNA template 0.5ng  
8. Mouse genomic DNA template 0.1ng  
9. Mouse genomic DNA template 0.01ng

Use ELK 2™ Taq Mix to amplify Use ELK 2™ Taq Mix to amplify the same template at different concentrations and detect the amplification efficiency. The results show that the ELK product can amplify the target fragment from 0.01ng genome template with high sensitivity.

**EQ007**

**Blood/Cell/Tissue Genomic DNA Extraction Kit**

Marker: D1, 5000  
1. 10mg mouse liver tissue (EP007)  
2. 1\*10<sup>6</sup> A549 cells (EP007)  
3. 200ul mouse whole blood (EP007)  
4. 10mg mouse liver tissue (Other brand)  
5. 1\*10<sup>6</sup> cell number A549 cells (Other brand)  
6. 200ul mouse whole blood (Other brand)

As can be seen from Figure 1 and Figure 2, the DNA extracted by our company's kit has high concentration, high yield, and better purity than other brand.

**EP013**

**TRIpure Total RNA Extraction Reagent (same as trizol)**

1. 2 10mg mouse liver tissue (EP013)  
2. 3 4 1\*10<sup>6</sup> cell number A549 cells (EP013)  
3. 6 200ul mouse whole blood (EP013)

Ep013 is designed for RNA extraction of different types of samples, with high extraction efficiency and excellent integrity and purity of RNA

Highpurity

The purified total RNA has no protein contamination, and the obtained RNA can be used for Northern blot, dot blot, mRNA extraction, cDNA synthesis, primer extension, different display, etc.

Wide range of applications:

DNA and RNA can be extracted from a variety of samples such as animals, plants, blood, cells, plasmids, gels, microorganisms, etc. High purity: The purified product has the characteristics of high concentration, high purity, good integrity, and no protein contamination, and can be used for various types of downstream experiments.

High efficiency:

Complete supply of extraction, PCR, qPCR, enzyme and other products, optimized reagent ratio and experimental process, can efficiently complete the entire experimental process

Selected high-scoring literature highlights

IF 29.4

<https://doi.org/10.1002/adma.202307169>  
ELK2320(Rat VEGFA), ELK2524(Rat SDF1), ELK4877(Rat ADM)

IF 19.227

<https://doi.org/10.1016/j.bbi.2022.02.015>  
EQ001(SYBR Green PCR SuperMix) ELK1272 (Rat IL1b) ELK1158 (Rat IL6) ELK1396(Rat TNFa)

IF 18.9

<https://doi.org/10.1016/j.bioactmat.2023.03.011>  
ELK1158 (Rat IL6) ELK1133(Rat IFNg) ELK2509(Rat IL-12p40)

IF 17.1

<https://doi.org/10.1021/acsnano.3c05093>  
EP013 TRIpure Total RNA same as trizol

IF 15.863

<https://doi.org/10.1186/s40824-023-00339-0>  
Ep013 ELK5693(Rat Ntn1) ELK1272(Rat IL1b) ELK1396(Rat TNFa) ELK1158 (Rat IL6)

IF 15.153

<https://doi.org/10.1002/sml.202107838>  
EP013 IL-1β, ELK1271 IL-6, ELK1157 TNF-α, ELK1395(Mouse TNFa)

IF 12.771

<https://doi.org/10.1186/s12929-021-00711-z>  
ELK8145(LPC) ELK8727(Mouse LPS) ELK1190 (Human TNFa) ELK1270 (Human IL1b)

Ciattions of hot selling products

Cat/No.	Productname	Detectionrage	Sensitivity	Citation
ELK1190	Human TNFa	15.63-1000 pg/mL	6.5 pg/mL	42
ELK1396	Rat TNFa	15.63-1000 pg/mL	6.1 pg/mL	53
ELK1272	Rat IL1b	15.63-1000 pg/mL	5.9 pg/mL	46
ELK1395	Mouse TNFa	15.63-1000 pg/mL	6.1 pg/mL	30
ELK1156	Human IL6	7.82-500 pg/mL	3.2 pg/mL	28
ELK1158	Rat IL6	7.82-500 pg/mL	3.3 pg/mL	47
ELK1157	Mouse IL6	7.82-500 pg/mL	3.2 pg/mL	46
ELK2370	Rat Insulin	15.63-1000 pg/mL	4.93 pg/mL	12
ELK1270	Human IL1b	15.63-1000 pg/mL	5.8 pg/mL	30
ELK1142	Human IL10	7.82-500 pg/mL	3 pg/mL	18
ELK9583	TGFb1	0.16-10 ng/mL	0.10 ng/mL	24
ELK1036	IFNγ	15.63-1000 pg/mL	5.9 pg/mL	10
EQ001	EnTurbo™ SYBR Green PCR SuperMix			120
EP013	TRIpure Total RNA Extraction Reagent (same as trizol)			300