



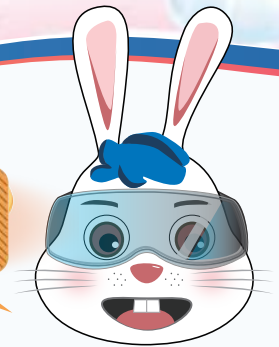
Featured ELISA Series High Sensitivity ELISA Kits

Focus on Cytokine Detection (Interleukin, Interferon, Tumor necrosis factor)



Experimenter:
When detecting cytokines in serum and plasma samples, the signal is always low or no signal, what should I do?

Erie:
No worries!! High Sensitivity (HS) ELISA Kits from Elabscience boost your test.

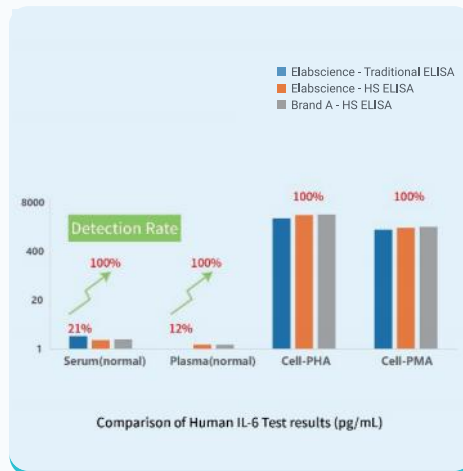


Product Features



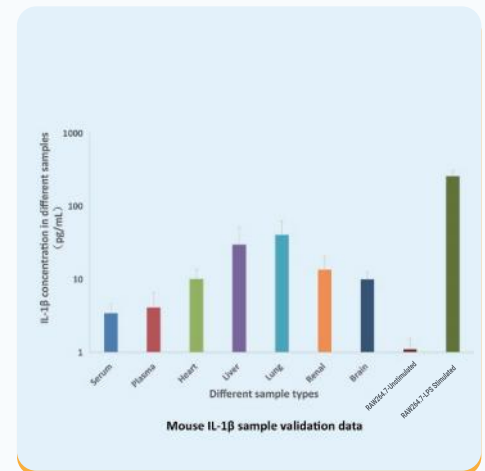
Higher Sensitivity

- Increased sensitivity by 2-100 times
- Protein concentration at fg level can be detected



Higher Detection Rate

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



Multiple Sample Validation

- Serum/Plasma/Cell culture supernatants/Tissue homogenates

Iterative Upgrading of New Technology



Raw Materials

Multiple screening and pairing of new raw materials, higher antibody affinity and stronger antigen-antibody binding force.



Coating Process

With the optimizing coating process, antibody Fab fragments are more fully exposed and antigen binding is more efficient.



Labeling Technology

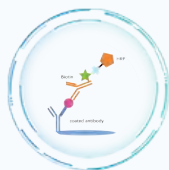
With the iteration of the labeling process, the amount of labeled biotin on the detected antibody was increased, and the effect of signal amplification was enhanced.



Diluent System

Carefully screened diluent can effectively reduce background and matrix interference to ensure accurate results.

Comparison between Traditional ELISA and High Sensitivity ELISA



Traditional ELISA Kits

- Sensitivity: pg/mL
- Operation Time: 3.5 h
- Sample Volume: 100 μ L
- Storage: -20 $^{\circ}$ C / 4 $^{\circ}$ C, 12 months



High Sensitivity ELISA Kits

- **Sensitivity: fg/mL**
- Operation Time: 3.5 h
- Sample Volume: 100 μ L
- Storage: -20 $^{\circ}$ C / 4 $^{\circ}$ C, 12 months



High Sensitivity ELISA Product List

Cat.No	Product Name	Detection Range	Sensitivity
E-HSEL-H0001	HS Human IL-1 β (Interleukin 1 Beta) ELISA Kit	0.63~40 pg/mL	0.39 pg/mL
E-HSEL-H0002	HS Human IL-2(Interleukin 2) ELISA Kit	0.31~20 pg/mL	0.25 pg/mL
E-HSEL-H0003	HS Human IL-6(Interleukin 6) ELISA Kit	0.78~50 pg/mL	0.49 pg/mL
E-HSEL-H0004	HS Human IL-8(Interleukin 8) ELISA Kit	0.47~30 pg/mL	0.29 pg/mL
E-HSEL-H0005	HS Human IL-10(Interleukin 10) ELISA Kit	0.78~50 pg/mL	0.49 pg/mL
E-HSEL-H0006	HS Human IL-17A(Interleukin 17A) ELISA Kit	0.78~50 pg/mL	0.49 pg/mL
E-HSEL-H0007	HS Human IFN- γ (Interferon Gamma) ELISA Kit	1.56~100 pg/mL	0.98 pg/mL
E-HSEL-M0001	HS Mouse IL-1 β (Interleukin 1 Beta) ELISA Kit	3.13~200 pg/mL	1.41 pg/mL
E-HSEL-M0002	HS Mouse IL-4(Interleukin 4) ELISA Kit	1.56~100 pg/mL	0.84 pg/mL
E-HSEL-M0003	HS Mouse IL-6(Interleukin 6) ELISA Kit	0.78~50 pg/mL	0.49 pg/mL
E-HSEL-M0004	HS Mouse IL-10(Interleukin 10) ELISA Kit	1.56~100 pg/mL	0.93 pg/mL
E-HSEL-M0005	HS Mouse IL-17A(Interleukin 17A) ELISA Kit	0.63~40 pg/mL	0.37 pg/mL
E-HSEL-M0006	HS Mouse IL-18(Interleukin 18) ELISA Kit	12.5~800 pg/mL	5.88 pg/mL
E-HSEL-M0007	HS Mouse IFN- γ (Interferon Gamma) ELISA Kit	1.56~100 pg/mL	0.84 pg/mL
E-HSEL-M0009	HS Mouse TNF- α (Tumor Necrosis Factor Alpha) ELISA Kit	4.69~300 pg/mL	2.76 pg/mL
E-HSEL-R0001	HS Rat TNF- α (Tumor Necrosis Factor Alpha) ELISA Kit	1.56~100 pg/mL	0.86 pg/mL
E-HSEL-R0002	HS Rat IL-1 β (Interleukin 1 Beta) ELISA Kit	0.31~20 pg/mL	0.20 pg/mL
E-HSEL-R0004	HS Rat IL-6(Interleukin 6) ELISA Kit	1.56~100 pg/mL	0.79 pg/mL
E-HSEL-R0005	HS Rat IL-10(Interleukin 10) ELISA Kit	3.13~200 pg/mL	1.22 pg/mL
E-HSEL-R0006	HS Rat IL-12(Interleukin 12) ELISA Kit	0.63~40 pg/mL	0.42 pg/mL