

Instant ELISA Kit

Support the Scientific Research Efficiently!

Generally, it needs about 4-5 hours for researchers to accomplish the experiment while using common sandwich ELISA kit. In order to improve the efficiency of research, Cloud-Clone Corp. had done lots of work in this field. Recently, the instant ELISA kit is pushed into the market. For instance, **Instant ELISA Kit for Isocitrate Dehydrogenase 1, Soluble, (IDH1)**, the catalog number is **IEH839Hu**.

Advantage

- 1

Less Time Consuming
Just 3 hours is enough to finish the whole test;
- 2

Less Sample Consuming
Just 50ul sample is enough;
- 3

More Convenient to Use
The detection reagent A and B is ready to use, don't require dilution.

◎ **Table 1. Comparison of instant kit and normal kit**

Characteristics	Instant ELISA KIT	Normal ELISA KIT
Detection reagent A, B	Working solution, ready to use	Concentrated solution, require dilution prior to use
Experimental time	3h	4.5h
Volume of sample	50ul	100ul
Experimental step	7	8

◎ Background of Isocitrate Dehydrogenase 1 (IDH1)

ELISA kit for Isocitrate Dehydrogenase 1 (IDH1) (SEH839Hu) is developed based on the importance of IDH1 in tumor research in recent years. The researches show that IDH1 is an oxidoreductase. As the receptor of NADP⁺, it mainly exists in cytoplasm and peroxisome. It is reported that IDH1 is closely related to several kinds of cancer, for instance, acute leukemia, colon cancer and glioma, and so on.

Regarding to the research of IDH1, Peking Union Medical College and Chinese Academy of Medical Sciences (CAMS) discovered that IDH1 could be used as a biomarker for cancer diagnosis and prognosis, and the result is published in *Molecular & Cellular Proteomics*. Based on this, the same research team tested a large quantity of clinical samples to make further systematic investigations of the function of IDH1 in cancer diagnosis, and this result is published in *Clinical Cancer Research*. The research shows that the concentration of IDH1 in cancer patients is significantly higher than that in healthy population. In sum, IDH1 could be used as an efficient and potential biomarker in the screening and diagnosis of certain cancer.

Based on this, Cloud-Clone Corp. develops instant ELISA kit for IDH1 (IEH839Hu) with developed technology and high-sensitivity antibodies, and it has already made its way into scholars' view, now it has been a candidate for cancer screening kit.

