



**User's Manual**

# Human CEA(Carcinoembryonic Antigen) ELISA Kit

REF

DEIA-NS2307-76



96T

RUO

This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

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## PRODUCT INFORMATION

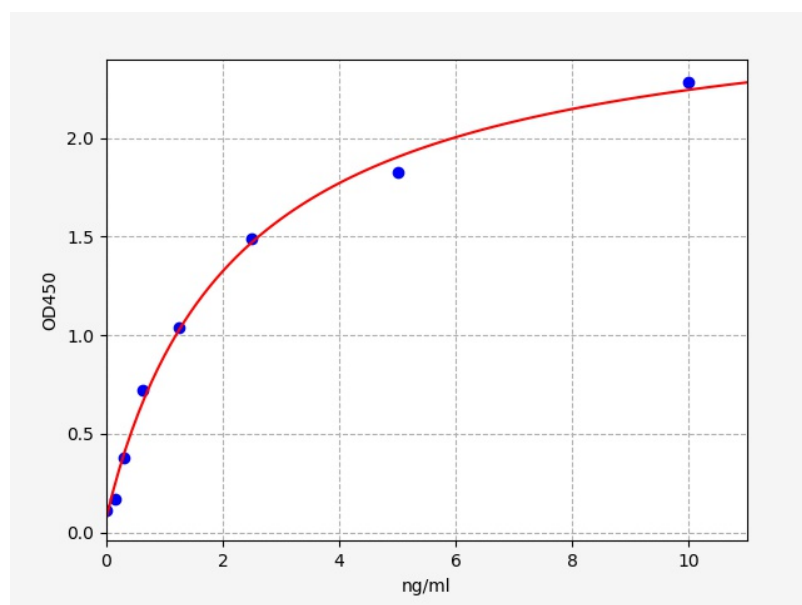
### Intended Use

CEA ELISA Kit allows for the in vitro quantitative determination of CEA concentrations in serum, plasma, tissue homogenates and other biological fluids.

### Storage

2-8 °C for 6 months

### Typical Standard Curve



### Precision

Intra-Assay: CV<8%

Inter-Assay: CV<10%

### Detection Range

0.156-10ng/ml

### Sensitivity

< 0.094ng/ml

### Linearity

The linearity of the kit was assayed by testing samples spiked with appropriate concentration of CEA and their serial dilutions. The results were demonstrated by the percentage of calculated concentration to the expected.

Sample	1:2	1:4	1:8
serum(n=5)	93-98%	85-94%	88-105%
EDTA plasma(n=5)	82-101%	88-98%	86-98%
heparin plasma(n=5)	83-100%	94-100%	91-97%

## Recovery

Matrices listed below were spiked with certain level of CEA and the recovery rates were calculated by comparing the measured value to the expected amount of CEA in samples.

Matrix	Recovery range(%)	Average(%)
serum(n=5)	85-99	90
EDTA plasma(n=5)	88-103	93
heparin plasma(n=5)	85-105	95