



Rat Carcinoembryonic Antign,CEA ELISA Kit

Product Code	CSB-E13926r
Abbreviation	CEA
Target Name	Carcinoembryonic Antign,CEA
Alias	N/A
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cancer
Gene Names	Ceacam3
Tag Info	quantitative
Protein Description	Sandwich

Description

This Rat CEA ELISA Kit was designed for the quantitative measurement of Rat CEA protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%
 Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%
 Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of rat CEA in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	91
	Range %	86-95



1:2	Average %	102
	Range %	97-107
1:4	Average %	91
	Range %	85-97
1:8	Average %	97
	Range %	91-103

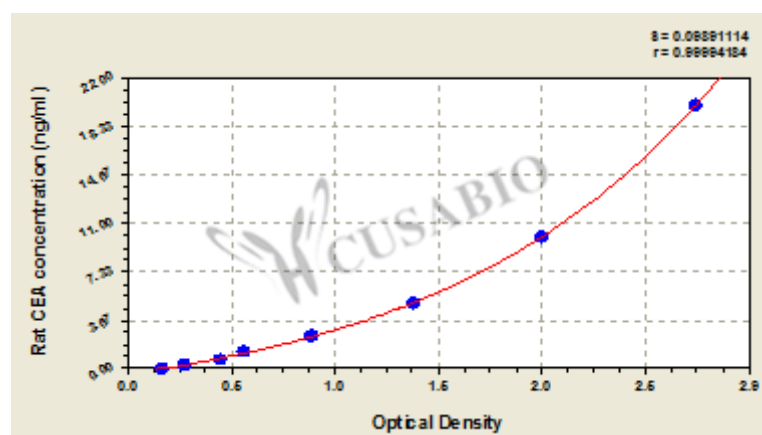
Recovery

The recovery of rat CEA spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	95	89-98
EDTA plasma (n=4)	86	80-89

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
20	2.676	2.698	2.687	2.511
10	1.990	1.931	1.961	1.785
5	1.354	1.368	1.361	1.185
2.5	0.898	0.868	0.883	0.707
1.25	0.561	0.567	0.564	0.388
0.625	0.433	0.468	0.451	0.275
0.312	0.289	0.276	0.283	0.107
0	0.177	0.175	0.176	?

Msds

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