



Mouse carcinoembryonic antigen,CEA ELISA Kit

Product Code	CSB-E13925m									
Abbreviation	CEACAM5									
Target Name	carcinoembryonic antigen-related cell adhesion molecule 5									
Uniprot No.	Q3UKK2									
Alias	CD66e, CEA, DKFZp781M2392, OTTHUMP00000199034									
Product Type	ELISA Kit									
Immunogen Species	Mus musculus (Mouse)									
Sample Types	serum, plasma, tissue homogenates									
Detection Range	62.5 pg/mL-4000 pg/mL									
Sensitivity	15.6 pg/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	Ceacam5									
Tag Info	quantitative									
Protein Description	Sandwich									
Description	This Mouse CEACAM5 ELISA Kit was designed for the quantitative measurement of Mouse CEACAM5 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 pg/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 mouse CEA in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td></td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td rowspan="2">1:1</td><td>Average %</td><td>90</td></tr><tr><td>Range %</td><td>85-93</td></tr></table>			Sample	Serum(n=4)	1:1	Average %	90	Range %	85-93
	Sample	Serum(n=4)								
1:1	Average %	90								
	Range %	85-93								



1:2	Average %	98
	Range %	95-100
1:4	Average %	102
	Range %	97-107
1:8	Average %	94
	Range %	91-96

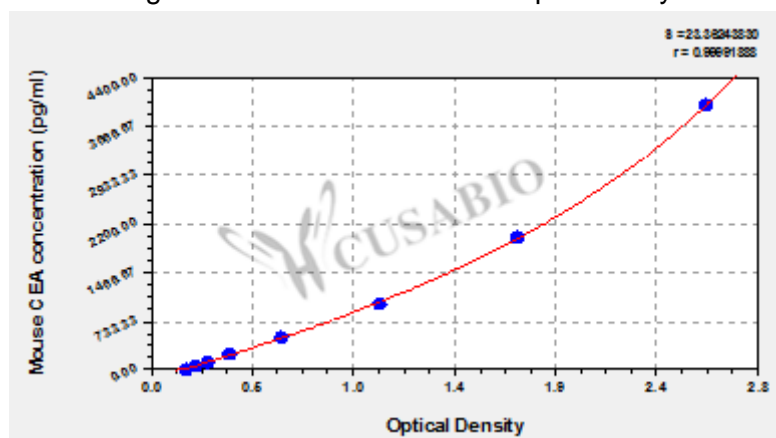
Recovery

The recovery of mouse 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)	97	91-105
EDTA plasma (n=4)	93	90-97

Typical

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



pg/ml	OD1	OD2	Average	Corrected
4000	2.522	2.635	2.579	2.402
2000	1.656	1.764	1.710	1.533
1000	1.047	1.095	1.071	0.894
500	0.637	0.604	0.621	0.444
250	0.366	0.390	0.378	0.201
125	0.275	0.281	0.278	0.101
62.5	0.212	0.230	0.221	0.044
0	0.171	0.183	0.177	

Msds

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