



Chicken Epidermal growth factor,EGF ELISA Kit

Product Code	CSB-E09868Ch																			
Abbreviation	EGF																			
Target Name	Epidermal growth factor,EGF																			
Alias	N/A																			
Product Type	ELISA Kit																			
Immunogen Species	Gallus gallus (Chicken)																			
Sample Types	serum, plasma, tissue homogenates																			
Detection Range	125 pg/mL-8000 pg/mL																			
Sensitivity	31.25 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	Others																			
Tag Info	quantitative																			
Protein Description	Sandwich																			
Description	This Chicken EGF ELISA Kit was designed for the quantitative measurement of Chicken EGF protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 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 chicken EGF in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table> <thead> <tr> <th></th><th>Sample</th><th>Serum(n=4)</th></tr> </thead> <tbody> <tr> <td rowspan="2">1:1</td><td>Average %</td><td>102</td></tr> <tr> <td>Range %</td><td>100-104</td></tr> <tr> <td rowspan="2">1:2</td><td>Average %</td><td>95</td></tr> <tr> <td>Range %</td><td>92-98</td></tr> <tr> <td rowspan="2">1:4</td><td>Average %</td><td>88</td></tr> <tr> <td>Range %</td><td>85-91</td></tr> </tbody> </table>			Sample	Serum(n=4)	1:1	Average %	102	Range %	100-104	1:2	Average %	95	Range %	92-98	1:4	Average %	88	Range %	85-91
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1:8	Average %	99
	Range %	96-102

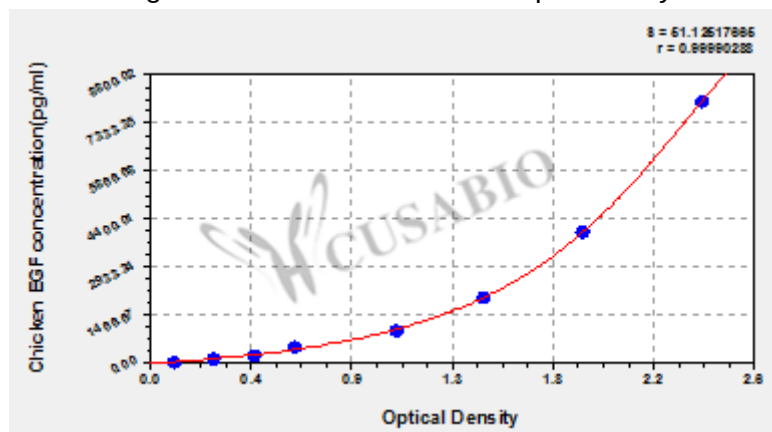
Recovery

The recovery of chicken EGF 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)	104	102-106
EDTA plasma (n=4)	93	90-96

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
8000	2.337	2.466	2.402	2.289
4000	1.893	1.875	1.884	1.771
2000	1.452	1.455	1.454	1.341
1000	1.064	1.099	1.082	0.969
500	0.643	0.632	0.638	0.525
250	0.443	0.478	0.461	0.348
125	0.272	0.295	0.284	0.171
0	0.114	0.112	0.113	

Msds

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