



Chicken Interleukin 4,IL-4 ELISA Kit

Product Code	CSB-E06756Ch																						
Abbreviation	IL-4																						
Target Name	Interleukin 4,IL-4																						
Uniprot No.	Q5W4U1																						
Product Type	ELISA Kit																						
Immunogen Species	Gallus gallus (Chicken)																						
Sample Types	serum, plasma, tissue homogenates																						
Detection Range	12.5 pg/mL-800 pg/mL																						
Sensitivity	3.12 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	Immunology																						
Tag Info	quantitative																						
Protein Description	Sandwich																						
Description	This Chicken IL-4 ELISA Kit was designed for the quantitative measurement of Chicken IL-4 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 12.5 pg/mL-800 pg/mL and the sensitivity is 3.12 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 IL-4 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>1:1</td><td>Average %</td><td>89</td></tr> <tr> <td></td><td>Range %</td><td>80-95</td></tr> <tr> <td>1:2</td><td>Average %</td><td>94</td></tr> <tr> <td></td><td>Range %</td><td>88-101</td></tr> <tr> <td>1:4</td><td>Average %</td><td>93</td></tr> <tr> <td></td><td>Range %</td><td>86-106</td></tr> </table>		?	Sample	Serum(n=4)	1:1	Average %	89		Range %	80-95	1:2	Average %	94		Range %	88-101	1:4	Average %	93		Range %	86-106
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	Range %	88-101																					
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	Range %	86-106																					



1:8	Average %	95
	Range %	82-100

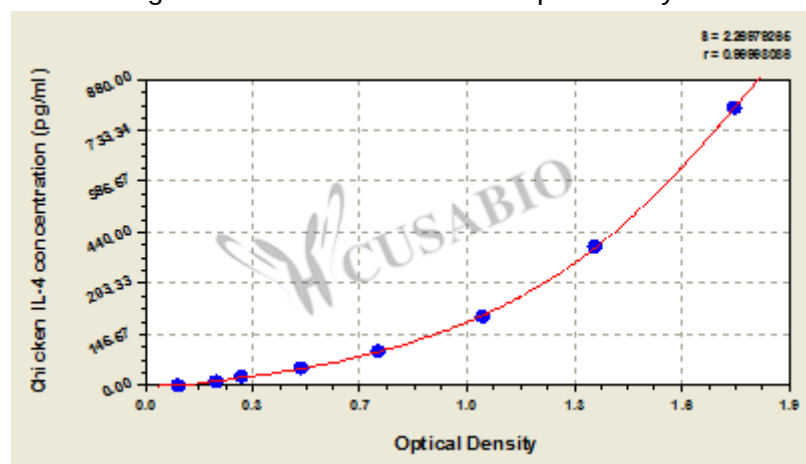
Recovery

The recovery of chicken IL-4 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	90-97
EDTA plasma (n=4)	92	85-96

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
800	1.726	1.825	1.776	1.665
400	1.336	1.383	1.360	1.249
200	1.060	0.981	1.021	0.910
100	0.714	0.706	0.710	0.599
50	0.481	0.475	0.478	0.367
25	0.307	0.292	0.300	0.189
12.5	0.227	0.214	0.221	0.110
0	0.108	0.113	0.111	?

Msds

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