Chicken lysozyme (LZM) ELISA Kit

Product Code	CSB-E13182C
Abbreviation	LZM
Protein Biological Process 1	Cardiovascular
Target Name	lysozyme (LZM)
Alias	LZM, lysozyme, 1,4-beta-N-acetylmuramidase C|lysozyme|lysozyme C
Product Type	ELISA Kit
Immunogen Species	Gallus gallus (Chicken)
Sample Types	serum, plasma, egg white
Detection Range	15.625 ng/mL-4000 ng/mL
Sensitivity	14.876 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	Cardiovascular
Gene Names	LYZ
Tag Info	quantitative
Protein Description	Competitive
Description	This Chicken LZM ELISA Kit was designed for the quantitative measurement of Chicken LZM protein in serum, plasma, egg white. It is a Competitive ELISA kit, its detection range is 15.625 ng/mL-4000 ng/mL and the sensitivity is 14.876 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.

	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3
n	20	20	20	20	20	20
Mean(ng/ml)	249.610	247.756	250.857	248.990	246.530	254.012
SD	0.026	0.029	0.031	0.039	0.041	0.046
CV(%)	3.621	4.022	4.330	5.424	5.671	6.471

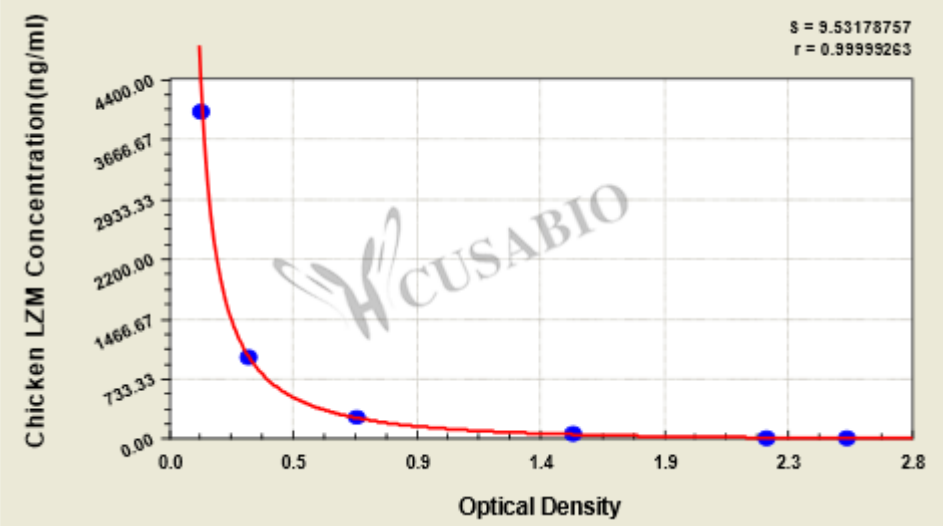
Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of chicken LZM 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)
1:20	Average %	84
	Range %	81-93
1:40	Average %	85
	Range %	82-99
1:80	Average %	90
	Range %	85-103
1:160	Average %	94
	Range %	87-105
	Sample	Egg white (n=4)
1:10000	Average %	86
	Range %	80-95
1:20000	Average %	89
	Range %	84-100

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
4000	0.137	0.132	0.135
1000	0.296	0.320	0.308
250	0.661	0.761	0.711
62.5	1.566	1.463	1.515
15.625	2.213	2.257	2.235
0	2.535	2.532	2.534