



Human irisin ELISA kit

Product Code	CSB-EQ027943HU														
Abbreviation	irisin														
Target Name	irisin														
Product Type	ELISA kit														
Immunogen Species	Homo sapiens (Human)														
Sample Types	serum, plasma, tissue homogenates														
Detection Range	3.12 ng/mL-200 ng/mL														
Sensitivity	0.78 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	Others														
Gene Names	FNDC5														
Tag Info	quantitative														
Protein Description	Sandwich														
Description	This Human irisin ELISA Kit was designed for the quantitative measurement of Human irisin protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 ng/mL-200 ng/mL and the sensitivity is 0.78 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 human irisin 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>84-96</td></tr><tr><td rowspan="2">1:2</td><td>Average %</td><td>97</td></tr><tr><td>Range %</td><td>91-103</td></tr></table>		?	Sample	Serum(n=4)	1:1	Average %	90	Range %	84-96	1:2	Average %	97	Range %	91-103
?	Sample	Serum(n=4)													
1:1	Average %	90													
	Range %	84-96													
1:2	Average %	97													
	Range %	91-103													



1:4	Average %	103
	Range %	97-109
1:8	Average %	89
	Range %	83-95

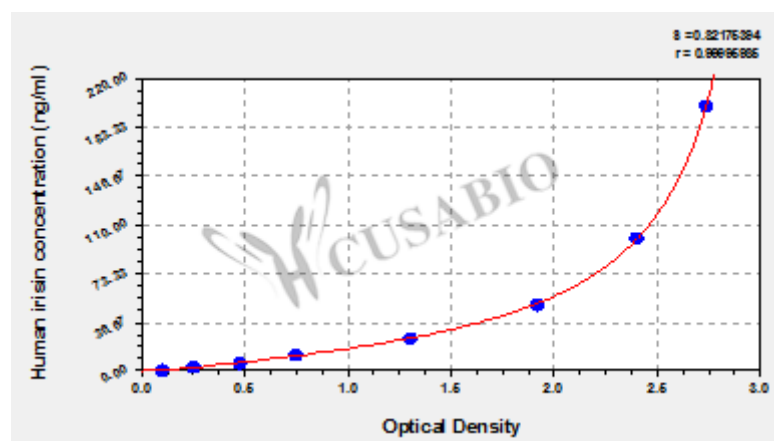
Recovery

The recovery of human irisin 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)	100	94-106
EDTA plasma (n=4)	106	101-112

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
200	2.690	2.752	2.721	2.616
100	2.402	2.371	2.387	2.282
50	1.965	1.853	1.909	1.804
25	1.355	1.247	1.301	1.196
12.5	0.764	0.735	0.750	0.645
6.25	0.495	0.464	0.480	0.375
3.12	0.251	0.266	0.259	0.154
0	0.106	0.103	0.105	?

Msds

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