



Human Collagen Type ?,Col ? ELISA Kit

Product Code	CSB-E08082h
Abbreviation	Col ?
Target Name	Collagen Type ?,Col ?
Alias	Collagen Type 1,Col 1,_x000D_ Collagen Type I,Col I
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, urine, cell culture supernates, tissue homogenates
Detection Range	1.56 ng/mL-100 ng/mL
Sensitivity	0.39 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	Signal Transduction
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human Col ? ELISA Kit was designed for the quantitative measurement of Human Col ? protein in serum, urine, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.56 ng/mL-100 ng/mL and the sensitivity is 0.39 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 Col ? 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)
1:1	Average %	87
	Range %	80-92
1:2	Average %	100
	Range %	91-110



1:4	Average %	105
	Range %	92-110
1:8	Average %	93
	Range %	86-100

Recovery

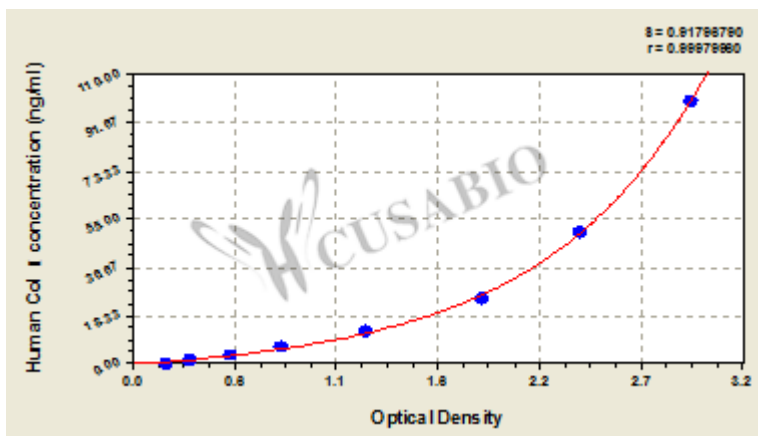
The recovery of human Col ? spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Serum (n=5) 94 89-99

Sample Type	Average % Recovery	Range
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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
100	2.921	2.985	2.953	2.767
50	2.356	2.378	2.367	2.181
25	1.826	1.875	1.851	1.665
12.5	1.221	1.256	1.239	1.053
6.25	0.796	0.800	0.798	0.612
3.12	0.512	0.546	0.529	0.343
1.56	0.302	0.326	0.314	0.128
0	0.188	0.184	0.186	?

MsdS

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E08082h.pdf","filename":"MSDS"}}