



Rat collagen type ?(Col ?) antibody ELISA kit

Product Code	CSB-EQ027975RA
Abbreviation	Col ? Ab
Target Name	collagen type ?(Col ?) antibody
Alias	collagen type 2(Col 2) antibody,_x000D_ collagen type II(Col II) antibody
Product Type	ELISA kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma
Detection Range	0.312 U/mL-20 U/mL
Sensitivity	0.078 U/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 Rat Col ? Ab ELISA Kit was designed for the quantitative measurement of Rat Col ? Ab protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 0.312 U/mL-20 U/mL and the sensitivity is 0.078 U/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 rat Col ? antibody 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 %	89
	Range %	86-99
1:2	Average %	95
	Range %	91-100



1:4	Average %	93
	Range %	85-100
1:8	Average %	93
	Range %	82-98

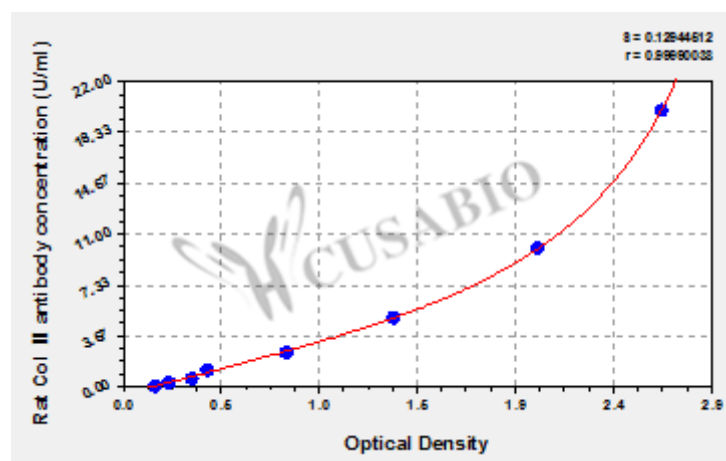
Recovery

The recovery of rat Col ? antibody 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)	96	91-110
EDTA plasma (n=4)	98	89-100

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



U/ml	OD1	OD2	Average	Corrected
20	2.607	2.725	2.666	2.498
10	2.036	2.081	2.059	1.891
5	1.328	1.369	1.349	1.181
2.5	0.811	0.825	0.818	0.650
1.25	0.436	0.421	0.429	0.261
0.625	0.349	0.360	0.355	0.187
0.312	0.243	0.232	0.238	0.070
0	0.169	0.167	0.168	?

Msds

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