



Human upper zone of growth plate and cartilage matrix associated (UCMA) ELISA kit

Product Code	CSB-EL025550HU		
Abbreviation	UCMA		
Target Name	upper zone of growth plate and cartilage matrix associated		
Uniprot No.	Q8WVF2		
Alias	C10orf49, unique cartilage matrix-associated protein		
Product Type	ELISA Kit		
Immunogen Species	Homo sapiens (Human)		
Sample Types	serum, plasma, tissue homogenates		
Detection Range	0.156 ng/mL-10 ng/mL		
Sensitivity	0.039 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	Developmental Biology		
Gene Names	UCMA		
Tag Info	quantitative		
Protein Description	Sandwich		
Description	This Human UCMA ELISA Kit was designed for the quantitative measurement of Human UCMA protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/mL.		
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>		
Linearity	<p>To assess the linearity of the assay, samples were spiked with high concentrations of human UCMA in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.</p> <table> <tr> <td>Sample</td><td>Serum(n=4)</td></tr> </table>	Sample	Serum(n=4)
Sample	Serum(n=4)		



1:1	Average %	87
	Range %	82-91
1:2	Average %	95
	Range %	91-99
1:4	Average %	96
	Range %	93-99
1:8	Average %	87
	Range %	82-93

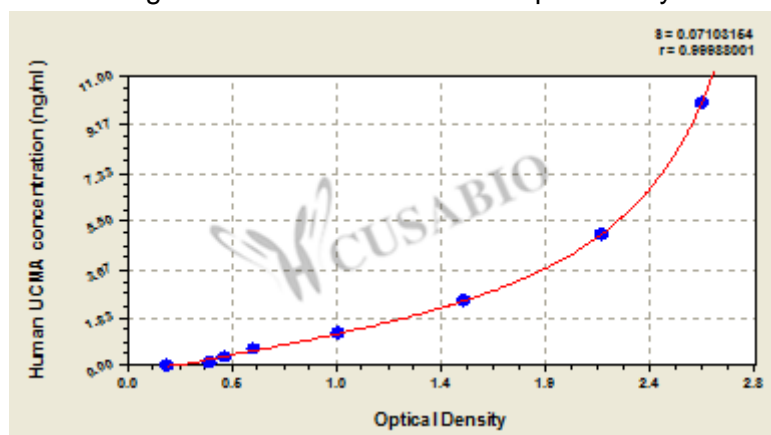
Recovery

The recovery of human UCMA 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)	84	81-89
EDTA plasma (n=4)	83	80-86

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
10	2.578	2.596	2.587	2.394
5	2.168	2.115	2.142	1.949
2.5	1.536	1.512	1.524	1.331
1.25	0.969	0.958	0.964	0.771
0.625	0.598	0.572	0.585	0.392
0.312	0.455	0.456	0.456	0.263
0.156	0.371	0.398	0.385	0.192
0	0.195	0.190	0.193	

Msds

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