



Human Keratin, type I cytoskeletal 23(KRT23) ELISA kit

Product Code	CSB-EL012539HU
Abbreviation	KRT23
Target Name	keratin 23 (histone deacetylase inducible)
Uniprot No.	Q9C075
Alias	CK23, DKFZp434G032, HAIK1, K23, MGC26158, cytokeratin 23 histone deacetylase inducible keratin 23 hyperacetylation-inducible type I keratin keratin 23 keratin, type I cytoskeletal 23 type I intermed
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.9 ng/mL-60 ng/mL
Sensitivity	0.23 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
Gene Names	KRT23
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human KRT23 ELISA Kit was designed for the quantitative measurement of Human KRT23 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.9 ng/mL-60 ng/mL and the sensitivity is 0.23 ng/mL.
Target Details	This protein is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21.
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 KRT23 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 %	86
	Range %	81-92
1:2	Average %	91
	Range %	87-96
1:4	Average %	88
	Range %	82-94
1:8	Average %	92
	Range %	86-98

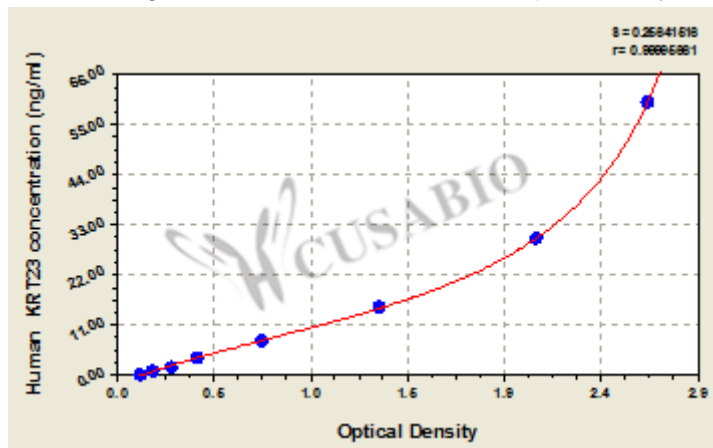
Recovery

The recovery of human KRT23 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	91-102
EDTA plasma (n=4)	93	87-98

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
60	2.761	2.562	2.662	2.537
30	2.155	2.062	2.109	1.984
15	1.337	1.305	1.321	1.196
7.5	0.745	0.720	0.733	0.608
3.75	0.413	0.405	0.409	0.284
1.8	0.276	0.283	0.280	0.155
0.9	0.193	0.189	0.191	0.066
0	0.125	0.124	0.125	

Msds

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