



Human protein Red (IK) ELISA kit

Product Code	CSB-EL011570HU
Abbreviation	IK
Target Name	protein Red
Uniprot No.	Q13123
Alias	Cytokine IK_x000D_ IK factor_x000D_ Protein RER_x000D_ IK_x000D_ RED, RER_x000D_
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	25 pg/mL-1600 pg/mL
Sensitivity	6.25 pg/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	Cell Biology
Gene Names	IK
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human protein Red (IK) ELISA Kit was designed for the quantitative measurement of Human protein Red (IK) protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 25 pg/mL-1600 pg/mL and the sensitivity is 6.25 pg/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 IK 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)
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1:1	Average %	87
	Range %	82-94
1:2	Average %	101
	Range %	98-104
1:4	Average %	92
	Range %	85-96
1:8	Average %	98
	Range %	94-102

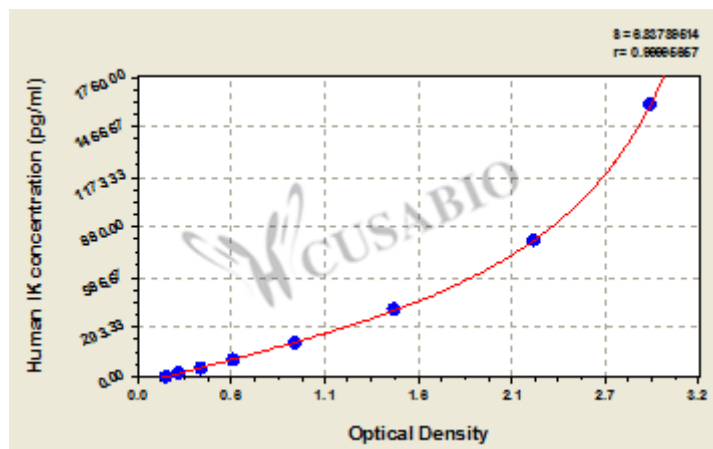
Recovery

The recovery of human IK 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)	89	85-94
EDTA plasma (n=4)	93	86-97

Typical

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



pg/ml	OD1	OD2	Average	Corrected
1600	2.909	2.965	2.937	2.763
800	2.215	2.332	2.274	2.100
400	1.462	1.487	1.475	1.301
200	0.900	0.923	0.912	0.738
100	0.555	0.564	0.560	0.386
50	0.363	0.378	0.371	0.197
25	0.243	0.249	0.246	0.072
0	0.173	0.174	0.174	?

Msds

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