



Human Antigen KI-67 (Ki-67) ELISA Kit

Product Code	CSB-E16294h
Abbreviation	KI-67
Protein Biological Process 1	Cell Cycle
Target Name	antigen identified by monoclonal antibody Ki-67
Uniprot No.	P46013
Alias	RP11-380J17.2, KIA, proliferation-related Ki-67 antigen
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell cycle
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 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	Cell Biology
Gene Names	MKI67
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human KI-67 ELISA Kit was designed for the quantitative measurement of Human KI-67 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL.
Target Details	This gene encodes a nuclear protein that is associated with and may be necessary for cellular proliferation. Alternatively spliced transcript variants have been described. A related pseudogene exists on chromosome X.
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>



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 Ki-67 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)
	Average %	96
1:1	Range %	86-106
	Average %	97
1:2	Range %	91-105
	Average %	92
1:4	Range %	87-98
	Average %	99
1:8	Range %	93-107

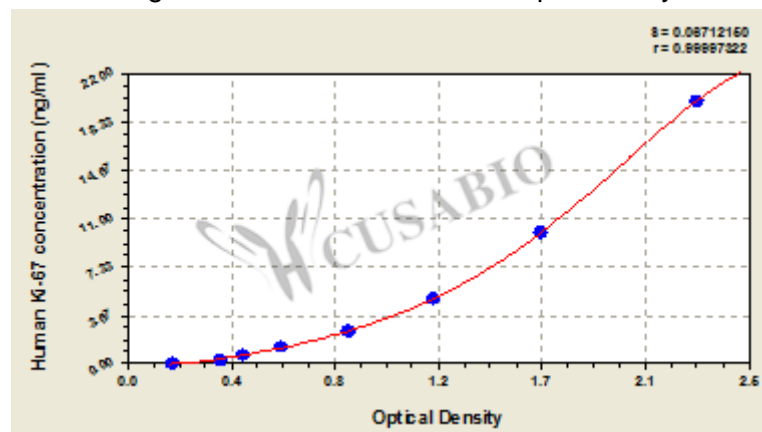
Recovery

The recovery of human Ki-67 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)	98	94-106
EDTA plasma (n=4)	99	95-105

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
20	2.243	2.281	2.262	2.070
10	1.644	1.651	1.648	1.456
5	1.177	1.271	1.224	1.032
2.5	0.874	0.899	0.887	0.695
1.25	0.613	0.627	0.620	0.428
0.625	0.468	0.478	0.473	0.281
0.312	0.373	0.389	0.381	0.189
0	0.191	0.193	0.192	?

Msds

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