



Human Involucrin,iNV ELISA Kit

Product Code	CSB-E09332h
Abbreviation	IVL
Protein Biological Process 1	Developmental Protein
Target Name	involucrin
Uniprot No.	P07476
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Keratinization
Sample Types	serum, cell culture supernates, tissue homogenates
Detection Range	1.25 ng/mL-80 ng/mL
Sensitivity	0.31 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	Cancer
Gene Names	IVL
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human IVL ELISA Kit was designed for the quantitative measurement of Human IVL protein in serum, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.25 ng/mL-80 ng/mL and the sensitivity is 0.31 ng/mL.
Target Details	Involucrin, a component of the keratinocyte crosslinked envelope, is found in the cytoplasm and crosslinked to membrane proteins by transglutaminase. This gene is mapped to 1q21, among calpactin I light chain, trichohyalin, profilaggrin, loricrin, and calcyclin.
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 iNV 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 %	97
	Range %	92-101
1:2	Average %	102
	Range %	95-109
1:4	Average %	90
	Range %	85-94
1:8	Average %	84
	Range %	80-88

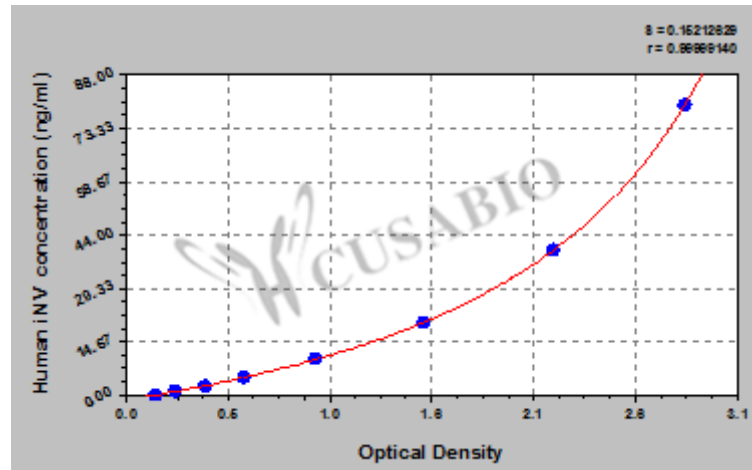
Recovery

The recovery of human iNV 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)	94	90-98

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
80	2.915	2.750	2.833	2.666
40	2.210	2.132	2.171	2.004
20	1.561	1.476	1.519	1.352
10	0.951	0.997	0.974	0.807
5	0.616	0.602	0.609	0.442
2.5	0.396	0.427	0.412	0.245
1.25	0.274	0.258	0.266	0.099
0	0.162	0.171	0.167	

Msds

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