



Human Peroxidasin homolog(PXDN) ELISA kit

Product Code	CSB-EL019106HU
Abbreviation	PXDN
Protein Biological Process 1	Oxidative Stress
Target Name	peroxidasin homolog (Drosophila)
Uniprot No.	Q92626
Alias	D2S448, D2S448E, KIAA0230, MG50, PRG2, PXN, VPO, p53-responsive gene 2 peroxidasin
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Hydrogen peroxide
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.188 ng/mL-12 ng/mL
Sensitivity	0.047 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	PXDN
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human PXDN ELISA Kit was designed for the quantitative measurement of Human PXDN protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.188 ng/mL-12 ng/mL and the sensitivity is 0.047 ng/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 PXDN 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 %	101
	Range %	95-105
1:2	Average %	97
	Range %	92-101
1:4	Average %	89
	Range %	84-93
1:8	Average %	94
	Range %	90-98

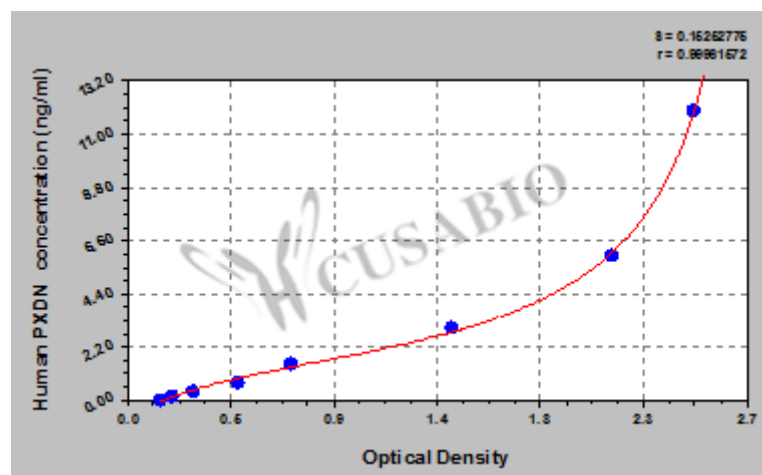
Recovery

The recovery of human PXDN 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)	92	87-98
EDTA plasma (n=4)	85	80-90

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
12	2.582	2.431	2.507	2.348
6	2.174	2.118	2.146	1.987
3	1.493	1.395	1.444	1.285
1.5	0.738	0.728	0.733	0.574
0.75	0.521	0.487	0.504	0.345
0.375	0.307	0.302	0.305	0.146
0.188	0.219	0.204	0.212	0.053
0	0.156	0.162	0.159	?

**Msd**

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