



# Human Proto-oncogene serine/threonine-protein kinase pim-1(PIM1) ELISA kit

<b>Product Code</b>	CSB-E11825h
<b>Abbreviation</b>	PIM1
<b>Protein Biological Process 1</b>	Apoptosis/Autophagy
<b>Target Name</b>	pim-1 oncogene
<b>Uniprot No.</b>	P11309
<b>Alias</b>	PIM, Oncogene PIM1 non-specific serine/threonine protein kinase pim-1 kinase 44 kDa isoform pim-1 oncogene (proviral integration site 1)
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Protein Biological Process 3</b>	Apoptosis
<b>Sample Types</b>	serum, plasma, tissue homogenates, cell culture supernates
<b>Detection Range</b>	0.312 ng/mL-20 ng/mL
<b>Sensitivity</b>	0.078 ng/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Cancer
<b>Gene Names</b>	PIM1
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

**Description**

This Human PIM1 ELISA Kit was designed for the quantitative measurement of Human PIM1 protein in serum, plasma, tissue homogenates, cell culture supernates. 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 .

**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 PIM1 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 %	88
1:5	Range %	83-91
	Average %	102
1:10	Range %	95-105
	Average %	105
1:20	Range %	100-108
	Average %	95
1:40	Range %	90-98

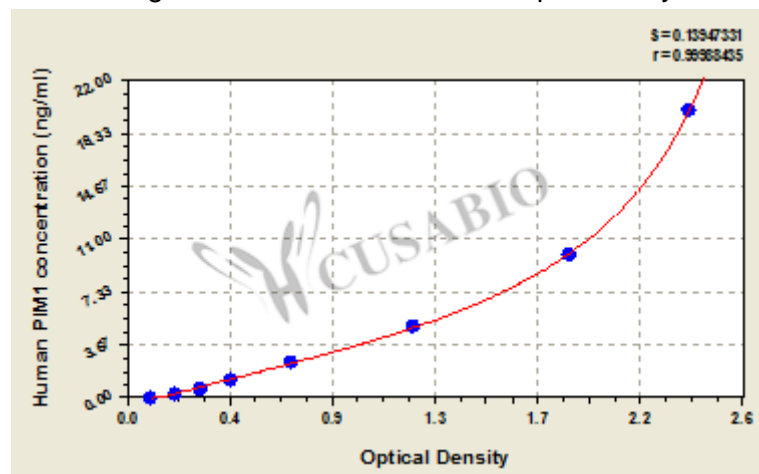
## Recovery

The recovery of human PIM1 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)	93	90-95
EDTA plasma (n=4)	96	92-98

## 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
20	2.412	2.324	2.368	2.260
10	1.874	1.856	1.865	1.757
5	1.201	1.217	1.209	1.101
2.5	0.701	0.688	0.695	0.587
1.25	0.447	0.434	0.441	0.333
0.625	0.312	0.325	0.319	0.211
0.312	0.218	0.204	0.211	0.103
0	0.106	0.110	0.108	?

## Msds

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