



Rat Platelet-derived growth factor DD(PDGF-DD) ELISA kit

Product Code	CSB-EL017711RA
Abbreviation	PDGF-DD
Target Name	platelet derived growth factor DD
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.039 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	Others
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat PDGF-DD ELISA Kit was designed for the quantitative measurement of Rat PDGF-DD protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/mL.
Target Details	This protein is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a core motif of eight cysteines, seven of which are found in this factor. This gene product only forms homodimers and, therefore, does not dimerize with the other three family members. It differs from alpha and beta members of this family in having an unusual N-terminal domain, the CUB domain. Two splice variants have been identified for this gene.
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>



Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of rat PDGF-DD 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 %	86
	Range %	80-90
1:2	Average %	89
	Range %	85-96
1:4	Average %	90
	Range %	84-96
1:8	Average %	92
	Range %	86-98

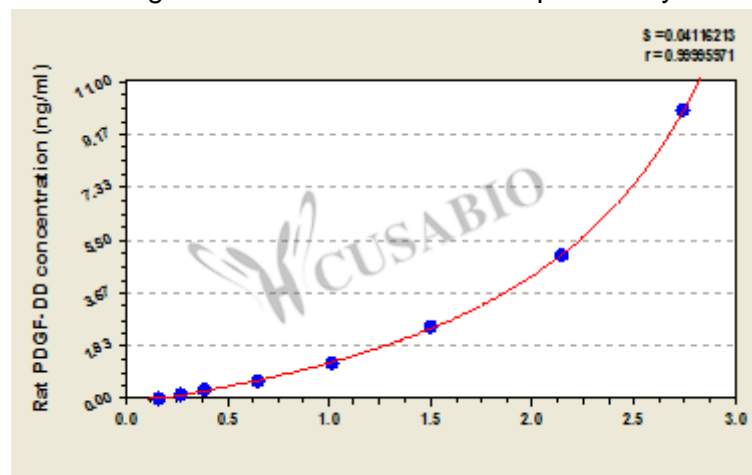
Recovery

The recovery of rat PDGF-DD 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)	96	92-103
EDTA plasma (n=4)	95	90-101

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
10	2.744	2.678	2.711	2.531
5	2.139	2.112	2.126	1.946
2.5	1.509	1.476	1.493	1.313
1.25	1.025	1.003	1.014	0.834
0.625	0.662	0.651	0.657	0.477
0.312	0.403	0.386	0.395	0.215
0.156	0.292	0.272	0.282	0.102
0	0.181	0.179	0.180	?

Msds

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