



# Mouse Peroxisome Proliferator-activated receptor $\gamma$ , PPAR- $\gamma$ ELISA Kit

<b>Product Code</b>	CSB-E08625m
<b>Abbreviation</b>	PPARG
<b>Protein Biological Process 1</b>	Transcription/Transcription regulation
<b>Target Name</b>	peroxisome proliferator-activated receptor gamma
<b>Uniprot No.</b>	P37238
<b>Alias</b>	CIMT1, GLM1, NR1C3, PPARG1, PPARG2, PPARgamma, OTTHUMP00000185030 OTTHUMP00000185033 PPAR gamma nuclear receptor subfamily 1 group C member 3 peroxisome proliferative activated receptor gamma peroxi
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Protein Biological Process 3</b>	Transcription
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	0.625 pg/mL-40 pg/mL
<b>Sensitivity</b>	0.156 pg/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>	Metabolism
<b>Gene Names</b>	Pparg
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Mouse PPARG ELISA Kit was designed for the quantitative measurement of Mouse PPARG protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 pg/mL-40 pg/mL and the sensitivity is 0.156 pg/mL.
<b>Target Details</b>	This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid



X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, and PPAR-gamma. This protein is PPAR-gamma and is a regulator of adipocyte differentiation. Additionally, PPAR-gamma has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer. Alternatively spliced transcript variants that encode different isoforms have been described.

#### 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 mouse PPAR- $\gamma$  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)
1:1000	Average %	94
	Range %	90-98
1:2000	Average %	84
	Range %	80-88
1:4000	Average %	102
	Range %	98-106
1:8000	Average %	83
	Range %	80-86

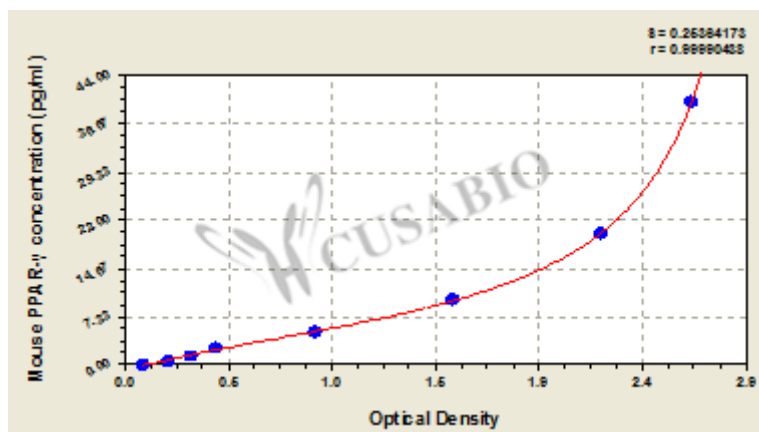
#### Recovery

The recovery of mouse PPAR- $\gamma$  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)	95	91-99
EDTA plasma (n=4)	107	103-110

#### Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
40	2.686	2.598	2.642	2.550
20	2.207	2.241	2.224	2.132
10	1.503	1.562	1.533	1.441
5	0.898	0.886	0.892	0.800
2.5	0.423	0.438	0.431	0.339
1.25	0.304	0.326	0.315	0.223
0.625	0.201	0.215	0.208	0.116
0	0.091	0.093	0.092	

## Msds

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