Human Peroxisome Proliferator Activated Receptor Gamma Coactivator 1 Alpha (PPARgC1a) ELISA Kit | PPARgC1a elisa kit

Human Peroxisome Proliferator Activated Receptor Gamma Coactivator 1 Alpha (PPARgC1a) ELISA Kit

CATALOG #	REACTIVITY
AAA23066	**Human**

PRODUCT SYNONYMS

Peroxisome Proliferator Activated Receptor Gamma Coactivator 1 Alpha (PPARgC1a); Human Peroxisome Proliferator Activated Receptor Gamma Coactivator 1 Alpha (PPARgC1a) ELISA Kit; LEM6; PGC-1(alpha); PGC-1v; PGC1; PGC1A; PPARGC1; Ligand effect modulator 6; PPARgC1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PPARgC1a. No significant cross-reactivity or interference between PPARgC1a and analogues was observed.
Sequence Length	796
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PPARgC1a were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PPARgC1a were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPARgC1a elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PPARgC1a. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PPARgC1a. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PPARgC1a, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PPARgC1a in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PPARgC1a in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13786188
NCBI GeneID	83516
NCBI Accession #	NP_112637.1
NCBI GenBank Nucleotide #	NM_031347.1
UniProt Accession #	Q9QYK2
Molecular Weight	90,622 Da
NCBI Official Full Name	peroxisome proliferator-activated receptor gamma coactivator 1-alpha
NCBI Official Synonym Full Names	PPARG coactivator 1 alpha
NCBI Official Symbol	Ppargc1a
NCBI Official Synonym Symbols	Ppargc1
NCBI Protein Information	peroxisome proliferator-activated receptor gamma coactivator 1-alpha
UniProt Protein Name	Peroxisome proliferator-activated receptor gamma coactivator 1-alpha
UniProt Gene Name	**Ppargc1a**
UniProt Synonym Gene Names	Pgc1; Pgc1a; Ppargc1; PGC-1-alpha; PPAR-gamma coactivator 1-alpha; PPARGC-1-alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/peroxisome-proliferator-activated-receptor-gamma-coactivator-1-alpha-ppargc1a/23066