

Human Peroxisome Proliferator Activated Receptor Gamma Coactivator 1 Alpha ELISA Kit | PPARγC1α elisa kit

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CATALOG #
AAA247215

REACTIVITY
Human

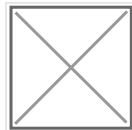
PRODUCT SYNONYMS

Peroxisome Proliferator Activated Receptor Gamma Coactivator 1 Alpha; Human Peroxisome Proliferator Activated Receptor Gamma Coactivator 1 Alpha ELISA Kit; PPARγC1α elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PGC1α. No significant cross-reactivity or interference between PGC1α and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PGC1α and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	796
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPARγC1α elisa kit

Principle of the Assay: PGC1α ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PGC1α antibody and an PGC1α-HRP conjugate. The assay sample and buffer are incubated together with PGC1α-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PGC1α concentration since PGC1α from samples and PGC1α-HRP conjugate compete for the anti-PGC1α antibody binding site. Since the number of sites is limited, as more sites are occupied by PGC1α from the sample, fewer sites are left to bind PGC1α-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGC1α concentration in each sample is interpolated from this standard curve.

Intended Uses: This PGC1α ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PGC1α. This ELISA kit for research use only, not for therapeutic or test applications!

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/ppargc1a-human-elisa-kits/peroxisome-proliferator-activated-receptor-gamma-coactivator-1-alpha/247215>