

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

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CATALOG # AAA247392	REACTIVITY Guinea Pig
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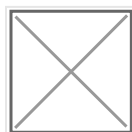
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of PPARG1A. No significant cross-reactivity or interference between PPARG1A and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PPARG1A and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	796
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPARGC1a elisa kit	Intended Uses: This PPARG1A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig PPARG1A. This ELISA kit for research use only! Principle of the Assay: PPARG1A ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PPARG1A antibody and an PPARG1A-HRP conjugate. The assay sample and buffer are incubated together with PPARG1A-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 PPARG1A concentration since PPARG1A from samples and PPARG1A-HRP conjugate compete for the anti-PPARG1A antibody binding site. Since the number of sites is limited, as more sites are occupied by PPARG1A from the sample, fewer sites are left to bind PPARG1A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PPARG1A concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PPARGC1a elisa kit	Epigenetics and Nuclear Signaling; Cardiovascular; Metabolism

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.

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Online datasheet: <https://stage.aaabiotech.com/ppargc1a-guinea-pig-elisa-kits/peroxisome-proliferator-activated-receptor-gamma-coactivator-1-alpha/247392>