

Peroxisome Proliferators Activated Receptor alpha ELISA Kit | PPARalpha elisa kit

Rat Peroxisome Proliferators Activated Receptor alpha ELISA Kit

CATALOG #
AAA93817

REACTIVITY
Rat

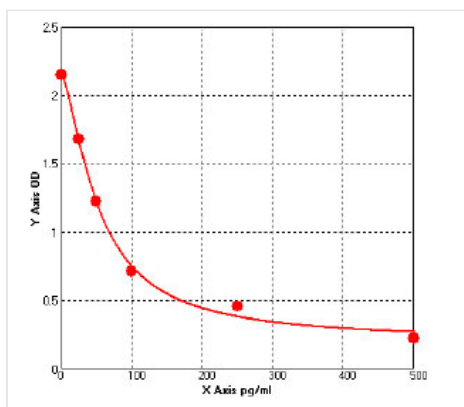
PRODUCT SYNONYMS

Peroxisome Proliferators Activated Receptor alpha; Rat Peroxisome Proliferators Activated Receptor alpha ELISA Kit; Rat Peroxisome Proliferators Activated Receptor a ELISA Kit; PPARalpha elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPARalpha elisa kit	Intended Uses: This PPARA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PPARA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PPARA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PPARA antibody and an PPARA-HRP conjugate. The assay sample and buffer are incubated together with PPARA-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 PPARA concentration since PPARA from samples and PPARA-HRP conjugate compete for the anti-PPARA antibody binding site. Since the number of sites is limited, as more sites are occupied by PPARA from the sample, fewer sites are left to bind PPARA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PPARA concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50348666
NCBI GeneID	5465
NCBI Accession #	NP_001001928.1
NCBI GenBank Nucleotide #	NM_001001928.2
Molecular Weight	18,942 Da
NCBI Official Full Name	peroxisome proliferator-activated receptor alpha
NCBI Official Synonym Full Names	peroxisome proliferator-activated receptor alpha
NCBI Official Symbol	PPARA
NCBI Official Synonym Symbols	PPAR; NR1C1; hPPAR; PPARalpha
NCBI Protein Information	peroxisome proliferator-activated receptor alpha; PPAR-alpha; nuclear receptor subfamily 1 group C member 1; peroxisome proliferative activated receptor, alpha; peroxisome proliferator-activated nuclear receptor alpha variant 3
UniProt Protein Name	Peroxisome proliferator-activated receptor alpha
UniProt Gene Name	PPARA
UniProt Synonym Gene Names	NR1C1; PPAR; PPAR-alpha
UniProt Entry Name	PPARA_HUMAN

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.