

Mouse Peroxisome proliferators activator alpha ELISA Kit | PPAR-alpha elisa kit

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CATALOG #
AAA87447

REACTIVITY
Mouse

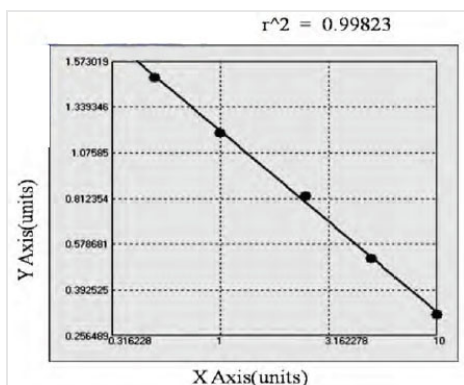
PRODUCT SYNONYMS

Peroxisome proliferators activator alpha; Mouse Peroxisome proliferators activator alpha ELISA Kit; Mouse Peroxisome proliferators activator a ELISA Kit; PPAR-alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PPAR-alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse PPAR-alpha. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPAR-alpha elisa kit	Principle of the Assay: PPAR-alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PPAR-alpha antibody and an PPAR-alpha-HRP conjugate. The assay sample and buffer are incubated together with PPAR-alpha-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 PPAR-alpha concentration since PPAR-alpha from samples and PPAR-alpha-HRP conjugate compete for the anti-PPAR-alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by PPAR-alpha from the sample, fewer sites are left to bind PPAR-alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PPAR-alpha 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.

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Online datasheet: <https://stage.aaabiotech.com/ppar-alpha-mouse-elisa-kits/peroxisome-proliferators-activator-alpha/87447>