

peroxisome proliferator-activated receptor alpha ELISA Kit | PPARα elisa kit

Rat peroxisome proliferators activator receptors alpha, PPAR-α ELISA Kit

CATALOG #
AAA80305

REACTIVITY
Rat

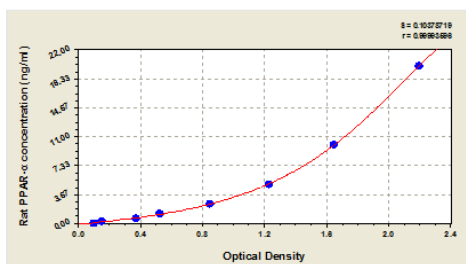
PRODUCT SYNONYMS

peroxisome proliferator-activated receptor alpha; Rat peroxisome proliferators activator receptors alpha; PPAR-α ELISA Kit; MGC2237; MGC2452; NR1C1; PPAR; PPARα; hPPAR; OTTHUMP00000197740; OTTHUMP00000197741; peroxisome proliferative activated receptor; α; PPARα elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat PPARα. No significant cross-reactivity or interference between Rat PPARα and analogues was observed.
Sequence Length	468
Samples	Serum, plasma, tissue homogenates and Cell lysates
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Transcription/Transcription regulation
Protein Biological Process 3	Transcription
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPARA elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PPAR-alpha. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for PPAR-alpha and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain PPAR-alpha, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of PPAR-alpha in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981382
NCBI GeneID	25747
NCBI Accession #	NP_037328.1
NCBI GenBank Nucleotide #	NM_013196.1
UniProt Accession #	P37230
Molecular Weight	52,377 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
NCBI Protein Information	peroxisome proliferator-activated receptor alpha; PPAR-alpha; nuclear receptor subfamily 1 group C member 1
UniProt Protein Name	Peroxisome proliferator-activated receptor alpha
UniProt Gene Name	Ppara
UniProt Synonym Gene Names	Nr1c1; Ppar; PPAR-alpha
UniProt Entry Name	PPARA_RAT

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/ppara-rat-elisa-kits/peroxisome-proliferator-activated-receptor-alpha/80305>