

Human Peroxisome Proliferator Activated Receptor Alpha (PPARα) ELISA Kit | PPARα elisa kit

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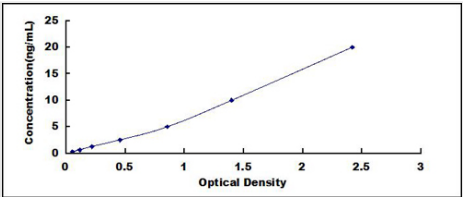
CATALOG # AAA184181	REACTIVITY Human
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PRODUCT SYNONYMS

Peroxisome Proliferator Activated Receptor Alpha (PPARα); Human Peroxisome Proliferator Activated Receptor Alpha (PPARα) ELISA Kit; NR1C1; PPAR-A; HPPAR; Nuclear Receptor Subfamily 1 Group C Member 1; PPARα elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Peroxisome Proliferator Activated Receptor Alpha (PPARα). No significant cross-reactivity or interference between Peroxisome Proliferator Activated Receptor Alpha (PPARα) and analogues was observed.
Sequence Length	174
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.114ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Peroxisome Proliferator Activated Receptor Alpha (PPARα) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Peroxisome Proliferator Activated Receptor Alpha (PPARα) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPARα elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Peroxisome Proliferator Activated Receptor Alpha (PPARα). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Peroxisome Proliferator Activated Receptor Alpha (PPARα). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Peroxisome Proliferator Activated Receptor Alpha (PPARα), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Peroxisome Proliferator Activated Receptor Alpha (PPARα) 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 #	765240
NCBI GeneID	5465
UniProt Accession #	Q07869; Q16241; Q6I9S0; Q92486; Q92689; Q9Y3N1; B0G0X3
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
UniProt Protein Name	Peroxisome proliferator-activated receptor alpha
UniProt Gene Name	PPARA
UniProt Synonym Gene Names	NR1C1; PPAR; PPAR-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.