

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

Rat Peroxisome Proliferator Activated Receptor Alpha (PPARα) ELISA Kit

CATALOG #
AAA66874

REACTIVITY
Rat

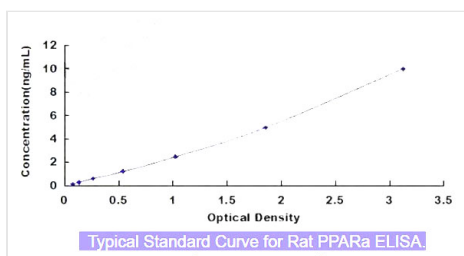
PRODUCT SYNONYMS

Peroxisome Proliferator Activated Receptor Alpha (PPARα); Rat Peroxisome Proliferator Activated Receptor Alpha (PPARα) ELISA Kit; PPARα elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PPARα. No significant cross-reactivity or interference between PPARα and analogues was observed.
Sequence Length	468
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PPARα were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PPARα were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPARα elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PPARα. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 PPARα in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PPARα in rat tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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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
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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/peroxisome-proliferator-activated-receptor-alpha-ppara/66874>