

Rat PPAR-gamma ELISA Kit | PPAR-gamma elisa kit

Rat PPAR-gamma (Peroxisome Proliferator-Activated Receptor gamma) ELISA Kit

CATALOG #
AAA21674

REACTIVITY
Rat

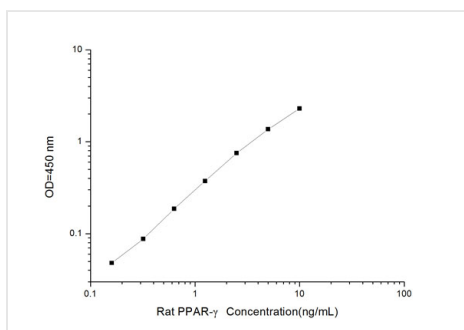
PRODUCT SYNONYMS

PPAR-gamma; Rat PPAR-gamma (Peroxisome Proliferator-Activated Receptor gamma) ELISA Kit; PPAR-gamma elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat PPAR-gamma in samples. No significant cross-reactivity or interference between Rat PPAR-gamma and analogues was observed.
Sequence Length	477
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat PPAR-gamma were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat PPAR-gamma were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPAR-gamma elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat PPAR-gamma concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat PPAR-gamma. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat PPAR-gamma and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat PPAR-gamma, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat PPAR-gamma. You can calculate the concentration of Rat PPAR-gamma in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116284370
NCBI GeneID	5468
NCBI Accession #	NP_619726.2
NCBI GenBank Nucleotide #	NM_138712.3
UniProt Accession #	P37231; O00684; O00710; O14515; Q0QJH8; Q15178; Q15179; Q15180; Q15832; Q86U60; A8K3G6; B5BUA1
Molecular Weight	21,580 Da
NCBI Official Full Name	peroxisome proliferator-activated receptor gamma isoform 1
NCBI Official Synonym Full Names	peroxisome proliferator-activated receptor gamma
NCBI Official Symbol	PPARG
NCBI Official Synonym Symbols	GLM1; CIMT1; NR1C3; PPARG1; PPARG2; PPARGgamma
NCBI Protein Information	peroxisome proliferator-activated receptor gamma; PPAR-gamma; nuclear receptor subfamily 1 group C member 3; peroxisome proliferator-activated nuclear receptor gamma variant 1
UniProt Protein Name	Peroxisome proliferator-activated receptor gamma
UniProt Gene Name	PPARG
UniProt Synonym Gene Names	NR1C3; PPAR-gamma
UniProt Entry Name	PPARG_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.