

# Mouse Peroxisome proliferator-activated receptor gamma (PPARG) ELISA Kit



Catalog No: #EK8379

Orders: order@signalwayantibody.com

Package Size: #EK8379-1 48T #EK8379-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse Peroxisome proliferator-activated receptor gamma (PPARG) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CIMT1; GLM1; NR1C3; PPARG1; PPARG2; PPARGgamma; OTTHUMP00000185030 OTTHUMP00000185033 PPAR gamma nuclear receptor subfamily 1 group C member 3 peroxisome proliferative activated receptor gamma peroxi
Accession No.	P37238
Uniprot	P37238
GeneID	19016;
Storage	The stability of ELISA 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.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.057 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PPARG in samples. An antibody specific for PPARG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPPARG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PPARG is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PPARG bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Peroxisome Proliferator-Activated Receptor gamma is a member of the orphan nuclear receptor family. Oxidized metabolites of linoleic acid, 9-hydroxyoctadienoic acid (9-HODE) and 13-HODE are activators and ligands of PPAR-gamma. PPAR-gamma; is expressed in white adipose tissue, intestinal mucosa, colon, spleen, monocytes, macrophages, retina, cartilage, osteoclasts, and skeletal muscle. PPAR-γ plays important roles in lipid and glucose metabolism, and has been implicated in obesity-related metabolic diseases such as hyperlipidemia, insulin resistance, and coronary artery disease. Three known family members are called PPAR alpha, delta, and

gamma. Three N-terminal isoforms, called gamma 1, gamma 2 and gamma 3, are known to arise by alternative splicing and promoter usage from the PPAR-gamma gene. RXR is an obligate partner for PPAR.

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Note: This product is for in vitro research use only