

Mouse Peroxisome Proliferator-activated Receptor beta (PPAR-B) ELISA Kit

Catalog No: #EK11428

Package Size: #EK11428-1 48T #EK11428-2 96T

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Description

Product Name	Mouse Peroxisome Proliferator-activated Receptor beta (PPAR-B) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FAAR; MGC3931; NR1C2; NUC1; NUCI; NUCII; PPAR-beta; PPARB; OTTHUMP00000016256 OTTHUMP00000016257 nuclear hormone receptor 1 peroxisome proliferative activated receptor; delta
Accession No.	P35396
Uniprot	P35396
GeneID	19015;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:Request Information

Sensitivity:Request Information

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:Sandwich**Test principle:**This assay employs a two-site sandwich ELISA to quantitate PPAR-B in samples. An antibody specific for PPAR-B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPPAR-B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PPAR-B 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 PPAR-B 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-hydroxystadienoic 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 gamma1, 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.

Note: This product is for in vitro research use only