

Human Adipose differentiation-related protein (ADRP) ELISA Kit



Catalog No: #EK7726

Orders: order@signalwayantibody.com

Package Size: #EK7726-1 48T #EK7726-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Adipose differentiation-related protein (ADRP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-151J10.1; ADFP; ADRP; MGC10598; adipophilin adipose differentiation-related protein
Accession No.	Q99541
Uniprot	Q99541
GeneID	123;
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:0.156-10 ng/mL

Sensitivity:0.055 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 ADFP in samples. An antibody specific for ADFP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADFP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADFP 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 ADFP bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Adipose differentiation-related protein, also known as ADFP or adipophilin, is a protein encoded by the ADFP gene.Adipocyte differentiation-related protein is associated with the globule surface membrane material.

This protein is a major constituent of the globule surface. Increase in mRNA levels is one of the earliest indications of adipocyte differentiation. Perilipin is part of a gene family with five currently-known members. In vertebrates, closely related genes include adipophilin (also known as adipose differentiation-related protein), TIP47, and LSDP5 (also called MLDP and OXPAT). Insects express related proteins, LSD1 and LSD2, in fat bodies.

Note: This product is for in vitro research use only