

Human Adipose Differentiation-Related Protein (ADRP) ELISA Kit | ADRP elisa kit

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CATALOG #
AAA331123

REACTIVITY
Human

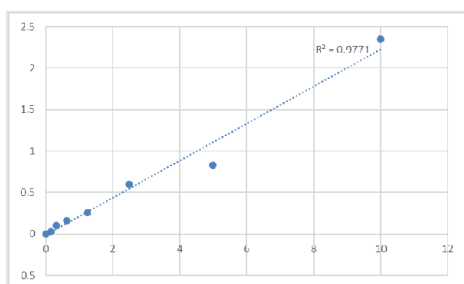
PRODUCT SYNONYMS

Adipose Differentiation-Related Protein (ADRP); Human Adipose Differentiation-Related Protein (ADRP) ELISA Kit; ADFP; RP11-151J10.1; ADRP; MGC10598; adipophilin; adipose differentiation-related protein; ADRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Adipose differentiation-related protein (ADRP) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADFP. No significant cross-reactivity or interference between Human ADFP and analogues was observed.
Sequence Length	437
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Adipose differentiation-related protein (ADRP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADRP elisa kit	Description: This Human Adipose differentiation-related protein (ADRP) ELISA Kit 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 any ADFP 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. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34577059
NCBI GeneID	123
NCBI Accession #	NP_001113.2
NCBI GenBank Nucleotide #	NP_001113.2
UniProt Accession #	Q99541
NCBI Official Full Name	perilipin-2
NCBI Official Synonym Full Names	perilipin 2
NCBI Official Symbol	PLIN2
NCBI Official Synonym Symbols	ADFP; ADRP
NCBI Protein Information	perilipin-2
UniProt Protein Name	Perilipin-2
UniProt Gene Name	PLIN2
UniProt Synonym Gene Names	ADFP; ADRP
UniProt Entry Name	PLIN2_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.