

## Human adipose differentiation-related protein ELISA Kit | ADFP elisa kit

Human adipose differentiation-related protein, ADRP ELISA Kit

CATALOG #  
**AAA80708**

REACTIVITY  
**Human**

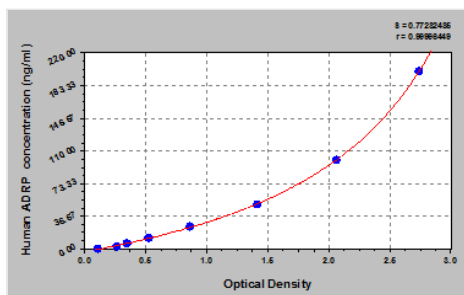
### PRODUCT SYNONYMS

adipose differentiation-related protein; Human adipose differentiation-related protein; ADRP ELISA Kit; RP11-151J10.1; ADFP; ADRP; MGC10598; adipophilin; ADFP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay 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                                                                                                                                                                                                                                                                                                                       |
| Samples                 | Serum, urine, cell culture supernates, tissue homogenates                                                                                                                                                                                                                                                                 |
| Detection Range         | 3.12 ng/ml-200 ng/ml                                                                                                                                                                                                                                                                                                      |
| Sensitivity             | 0.78 ng/ml                                                                                                                                                                                                                                                                                                                |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength    | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume           | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Related Product Information for ADFP elisa kit | <p><b>Introduction:</b> Adipose differentiation-related protein, is a protein which in humans is encoded by the ADRP 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.</p> <p><b>Principle of the Assay:</b> The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADRP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for ADRP and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain ADRP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of ADRP in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| NCBI GI #                        | 34577059                                                          |
| NCBI GeneID                      | 123                                                               |
| NCBI Accession #                 | NP_001113.2                                                       |
| NCBI GenBank Nucleotide #        | NM_001122.3                                                       |
| UniProt Accession #              | Q99541; Q9BSC3                                                    |
| Molecular Weight                 | 48,075 Da                                                         |
| 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; adipophilin; adipose differentiation-related protein |
| 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.