

## Human ANGPTL4 ELISA Kit | ANGPTL4 elisa kit

Human ANGPTL4 PicoKine ELISA Kit

CATALOG #  
**AAA45851**

REACTIVITY  
**Human**

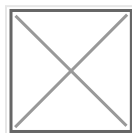
### PRODUCT SYNONYMS

ANGPTL4; Human ANGPTL4 PicoKine ELISA Kit; Angiopoietin-related protein 4; angiopoietin-like 4; 425O18 1; Angiopoietin like 4; Angiopoietin related protein 4; ANGPT L2 ; ANGPT L4; ANGPTL2; ANGPTL4 ; Fasting induced adipose factor ; FIAF; Fibrinogen/angiopoietin related protein; Hepatic fibrinogen/angiopoietin related protein ; HFARP; Major histocompatibility complex region NG27; NL2; Peroxisome proliferator-activated receptor (PPAR) gamma induced angiopoietin related protein ; PGAR; pp1158 ; PPARG angiopoietin related protein ; PSEC0166 ; Secreted protein Bk89; Weakly similar to angiopoietin 1; ANGPTL4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                      |
| Specificity             | Natural and recombinant Human ANGPTL4                                                                                      |
| Sequence Length         | 406                                                                                                                        |
| Samples                 | Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)                                                  |
| Detection Range         | 625 pg/ml - 40,000 pg/ml                                                                                                   |
| Sensitivity             | <20 pg/ml                                                                                                                  |
| Intra-assay Precision   | Three samples of known concentration were tested on one plate to assess intra-assay precision.                             |
| Inter-assay Precision   | Three samples of known concentration were tested in separate assays to assess inter-assay precision.                       |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.) |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Related Product Information for ANGPTL4 elisa kit | <p>Background: Angiopoietin-related protein 4 (Angptl4) is a protein that in humans is encoded by the ANGPTL4 gene. This gene is a member of the angiopoietin/angiopoietin-like gene family and encodes a glycosylated, secreted protein with a fibrinogen C-terminal domain. This gene is induced under hypoxic conditions in endothelial cells and is the target of peroxisome proliferation activators. By radiation hybrid analysis, Angptl4 gene is mapped to 19p13.3. ANGPTL4 contributed to tumor growth and protected cells from anoikis, a form of programmed cell death induced when contact-dependent cells detach from the surrounding tissue matrix.</p> <p>Principle of the Assay: The Picokine™ Human ANGPTL4 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human ANGPTL4 with a 96-well strip plate that is pre-coated with antibody specific for ANGPTL4. The detection antibody is a biotinylated antibody specific for ANGPTL4. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human ANGPTL4 with immunogen: Expression system for standard: NS0; Immunogen sequence: L165-S406. The kit is analytically validated with ready-to-use reagents. To measure Human ANGPTL4, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human ANGPTL4 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human ANGPTL4 in the sample.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 25008123                                                                                                                                                                                                                                                                                |
| NCBI GeneID                      | 51129                                                                                                                                                                                                                                                                                   |
| UniProt Accession #              | Q9BY76; Q53HQ6; Q53HU1; Q6UXN0; Q9HBV4; Q9NZU4; Q9Y5B3; A8MY84; B4E089; D6W670; F5H0I2                                                                                                                                                                                                  |
| Molecular Weight                 | 26,853 Da                                                                                                                                                                                                                                                                               |
| NCBI Official Full Name          | Angiopoietin-related protein 4                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | angiopoietin-like 4                                                                                                                                                                                                                                                                     |
| NCBI Official Symbol             | ANGPTL4                                                                                                                                                                                                                                                                                 |
| NCBI Official Synonym Symbols    | NL2; ARP4; FIAF; HARP; PGAR; HFARP; TGQTL; UNQ171; pp1158; ANGPTL2                                                                                                                                                                                                                      |
| NCBI Protein Information         | angiopoietin-related protein 4; fasting-induced adipose factor; PPARG angiopoietin related protein; hepatic angiopoietin-related protein; hepatic fibrinogen/angiopoietin-related protein; peroxisome proliferator-activated receptor (PPAR) gamma induced angiopoietin-related protein |
| UniProt Protein Name             | Angiopoietin-related protein 4                                                                                                                                                                                                                                                          |
| UniProt Gene Name                | ANGPTL4                                                                                                                                                                                                                                                                                 |
| UniProt Synonym Gene Names       | ARP4; HFARP; PGAR; HFARP                                                                                                                                                                                                                                                                |
| UniProt Entry Name               | ANGL4_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.